

101	14.8	67.3	30001	2	US-08-474-933-1	Sequence 1, Appli	174	14.6	66.4	80632	4	US-09-949-016-12951	Sequence 12951, A
102	14.8	67.3	33272	4	US-09-949-016-16949	Sequence 16949, A	C 175	14.6	66.4	87734	4	US-09-949-016-17521	Sequence 17521, A
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C 110	14.8	67.3	4403765	3	US-09-103-840A-2	Sequence 2, Appli	C 183	14.6	66.4	251769	4	US-09-949-016-13185	Sequence 13185, A
C 111	14.8	67.3	4411529	3	US-09-103-840A-1	Sequence 1, Appli	C 184	14.6	66.4	251769	4	US-09-949-016-13186	Sequence 13186, A
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C 119	14.6	66.4	601	4	US-09-949-016-20885	Sequence 42183, A	C 192	14.6	65.5	420	4	US-09-513-999C-32555	Sequence 32555, A
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C 121	14.6	66.4	601	4	US-09-949-016-42184	Sequence 42184, A	C 194	14.4	65.5	601	4	US-09-949-016-137812	Sequence 137812, A
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C 126	14.6	66.4	601	4	US-09-949-016-73217	Sequence 73217, A	C 199	14.4	65.5	1072	4	US-08-781-986A-435	Sequence 435, App
C 127	14.6	66.4	601	4	US-09-949-016-73218	Sequence 73218, A	C 200	14.4	65.5	1647	4	US-09-328-352-3783	Sequence 3783, Ap
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C 129	14.6	66.4	601	4	US-09-949-016-78275	Sequence 78275, A	C 202	14.4	65.5	7176	3	US-09-221-017B-626	Sequence 626, App
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C 138	14.6	66.4	747	4	US-09-252-991A-4417	Sequence 4417, Ap	C 211	14.2	64.5	114	4	US-09-513-999C-22713	Sequence 22713, A
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C 140	14.6	66.4	852	4	US-09-338-352-3647	Sequence 3647, Ap	C 213	14.2	64.5	314	4	US-09-370-767-26293	Sequence 26293, A
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C 145	14.6	66.4	1242	4	US-09-270-767-10628	Sequence 10628, A	C 218	14.2	64.5	491	1	US-08-133-711-39	Sequence 39, Appl
C 146	14.6	66.4	1366	1	US-08-231-342-22	Sequence 22, Appl	C 219	14.2	64.5	491	1	US-08-133-711-39	Sequence 39, Appl
C 147	14.6	66.4	1384	4	US-09-270-767-11390	Sequence 11390, A	C 220	14.2	64.5	516	4	US-09-902-540-9527	Sequence 9527, Ap
C 148	14.6	66.4	1627	4	US-09-270-767-10633	Sequence 10633, A	C 221	14.2	64.5	566	4	US-09-270-767-8484	Sequence 8484, Ap
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C 150	14.6	66.4	2361	3	US-09-705-771-7	Sequence 7, Appli	C 223	14.2	64.5	597	4	US-09-902-540-3788	Sequence 3788, Ap
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C 162	14.6	66.4	11091	3	US-09-134-001C-2243	Sequence 2243, Ap	C 235	14.2	64.5	601	4	US-09-949-016-184253	Sequence 184253, A
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C 171	14.6	66.4	58108	4	US-09-949-016-13383	Sequence 13383, A	C 244	14.2	64.5	699	3	US-09-134-001C-1609	Sequence 1609, Ap
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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 9.43741 Seconds  
(without alignments)  
3814.402 Million cell updates/sec

Title: US-09-912-968A-7

Perfect score: 22

Sequence: 1 caacgttcgtcaagtcaatgc 22

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 819138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database :

Issued Patents NA: \*  
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pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

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2	22	100.0	137	3	US-08-617-454-4		Sequence 4, Appli
3	22	100.0	137	5	PCT-US94-01144-4		Sequence 4, Appli
4	22	100.0	2124	1	US-08-803-973-11		Sequence 11, Appli
5	22	100.0	2124	1	US-08-803-972-11		Sequence 11, Appli
6	22	100.0	8012	3	US-09-182-117-1		Sequence 1, Appli
7	22	100.0	8012	4	US-09-434-039A-1		Sequence 1, Appli
8	22	100.0	8418	3	US-09-182-117-5		Sequence 5, Appli
9	22	100.0	8418	4	US-09-434-039A-5		Sequence 5, Appli
10	22	100.0	8798	3	US-09-182-117-4		Sequence 4, Appli
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12	22	100.0	10846	3	US-09-098-219B-5		Sequence 5, Appli
13	22	100.0	10846	4	US-10-164-204-5		Sequence 5, Appli
14	22	100.0	10846	4	US-09-923-109-5		Sequence 5, Appli
15	22	100.0	10900	3	US-09-098-219B-6		Sequence 6, Appli
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17	22	100.0	10900	4	US-09-923-109-6		Sequence 6, Appli
18	22	100.0	11522	4	US-10-052-092-19		Sequence 19, Appli
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20	17.2	78.2	1959	3	US-09-201-641-1		Sequence 1, Appli
21	16.4	74.5	624	4	US-09-252-991A-14891		Sequence 14891, A
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27	16.2	73.6	553	4	US-09-270-767-19834		Sequence 19834, A

C 28	16.2	73.6	160759	4	US-09-949-016-16514	Sequence 16514, A
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C 34	15.8	71.8	1830121	4	US-09-643-990A-1	Sequence 1, Appli
C 35	15.6	70.9	321	4	US-09-710-273-2391	Sequence 2291, Ap
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C 42	15.6	70.9	1875	3	US-09-199-534-21	Sequence 21, Appli
C 43	15.6	70.9	1875	3	US-09-199-534-21	Sequence 21, Appli
C 44	15.6	70.9	2220	4	US-09-248-796A-3629	Sequence 3629, Ap
C 45	15.6	70.9	2378	4	US-09-710-273-4338	Sequence 4338, Ap
C 46	15.6	70.9	2812	1	US-08-920-812-16	Sequence 16, Appli
C 47	15.6	70.9	2812	1	US-08-920-827-16	Sequence 16, Appli
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C 51	15.6	70.9	3046	4	US-09-710-273-3782	Sequence 3782, Ap
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C 54	15.6	70.9	3517	3	US-09-312-157-1	Sequence 1, Appli
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C 58	15.4	70.0	406	3	US-09-221-017B-244	Sequence 244, App
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C 60	15.2	69.1	630	3	US-09-134-001C-1641	Sequence 1641, Ap
C 61	15.2	69.1	828	4	US-09-328-352-3039	Sequence 3039, Ap
C 62	15.2	69.1	842	4	US-09-270-767-3582	Sequence 3582, Ap
C 63	15.2	69.1	1299	4	US-09-270-767-18864	Sequence 18864, A
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C 66	15.2	69.1	2514	3	US-09-258-016-1	Sequence 1, Appli
C 67	15.2	69.1	2514	3	US-09-257-825B-1	Sequence 1, Appli
C 68	15.2	69.1	3469	3	US-09-221-017B-106	Sequence 106, App
C 69	15.2	69.1	3592	4	US-09-710-279-4172	Sequence 4172, Ap
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C 81	14.8	67.3	1101	4	US-09-328-352-1336	Sequence 1, Appli
C 82	14.8	67.3	1203	4	US-09-889-746-1	Sequence 1, Appli
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C 84	14.8	67.3	1295	1	US-08-332-747-1	Sequence 1, Appli
C 85	14.8	67.3	1365	4	US-09-543-681A-3545	Sequence 3545, Ap
C 86	14.8	67.3	1444	4	US-09-306-454-8	Sequence 8, Appli
C 87	14.8	67.3	1776	4	US-09-799-451-476	Sequence 476, App
C 88	14.8	67.3	2820	4	US-09-540-236-479	Sequence 479, App
C 89	14.8	67.3	3066	4	US-09-252-991A-10834	Sequence 10834, A
C 90	14.8	67.3	3624	4	US-09-252-991A-10899	Sequence 10899, A
C 91	14.8	67.3	3979	4	US-09-865-621A-4	Sequence 4, Appli
C 92	14.8	67.3	4810	4	US-09-865-621A-3	Sequence 3, Appli
C 93	14.8	67.3	4957	4	US-09-949-016-15289	Sequence 15289, A
C 94	14.8	67.3	5163	4	US-09-865-621A-7	Sequence 7, Appli
C 95	14.8	67.3	5509	4	US-09-865-621A-1	Sequence 1, Appli
C 96	14.8	67.3	5992	4	US-09-949-016-546	Sequence 546, App
C 97	14.8	67.3	5992	4	US-09-949-016-2263	Sequence 2263, Ap
C 98	14.8	67.3	12885	4	US-09-949-016-12600	Sequence 12600, A
C 99	14.8	67.3	29326	4	US-09-949-016-15356	Sequence 15356, A
C 100	14.8	67.3	30001	1	US-08-125-468-1	Sequence 1, Appli

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82	17.2	78.2	281	11	US-09-987-899-314	Sequence 314, App	c 155	15.8	71.8	49	21	US-10-903-632-340	Sequence 340, App
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91	17.2	78.2	334	18	US-10-424-599-37359	Sequence 37359, A	c 164	15.8	71.8	724	13	US-10-027-632-146294	Sequence 146294, App
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93	17.2	78.2	354	11	US-09-987-899-813	Sequence 813, App	c 166	15.8	71.8	724	17	US-10-027-632-146294	Sequence 146294, App
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95	17.2	78.2	392	11	US-09-987-899-798	Sequence 798, App	c 168	15.8	71.8	1188	18	US-10-251-667-3	Sequence 3, Appl
c 96	17.2	78.2	400	18	US-10-424-599-100577	Sequence 100577, App	c 169	15.8	71.8	1509	9	US-09-070-927A-573	Sequence 573, App
c 97	17.2	78.2	420	18	US-10-424-599-29231	Sequence 29231, A	c 170	15.8	71.8	1509	20	US-10-851-383-124	Sequence 124, App
c 98	17.2	78.2	426	19	US-10-021-323-15875	Sequence 15875, A	c 171	15.8	71.8	1509	21	US-10-903-632-124	Sequence 124, App
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116	17.2	78.2	757	18	US-10-425-114-7407	Sequence 7407, App	c 189	15.6	70.9	181	18	US-10-424-599-76503	Sequence 76503, A
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132	16.2	73.6	257	11	US-09-987-899-395	Sequence 395, App	c 205	15.6	70.9	503	10	US-09-770-961-372	Sequence 372, App
c 133	16.2	73.6	261	20	US-10-425-115-179435	Sequence 179435, App	c 206	15.6	70.9	529	18	US-10-424-599-118755	Sequence 118755, App
c 134	16.2	73.6	592	13	US-10-027-632-150759	Sequence 150759, App	c 207	15.6	70.9	573	9	US-09-864-761-7839	Sequence 7839, App
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138	16.2	73.6	653	19	US-10-767-701-25983	Sequence 25983, A	c 211	15.6	70.9	602	13	US-10-027-632-227151	Sequence 227151, App
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c 146	16.2	73.6	3189	17	US-10-282-122A-33232	Sequence 33232, A	c 219	15.6	70.9	681	9	US-09-770-149-344	Sequence 54, Appl
c 147	16.2	73.6	401433	22	US-10-087-132-1438	Sequence 1438, App	c 220	15.6	70.9	724	18	US-10-333-184-54	Sequence 54, Appl
c 148	16.2	73.6	401433	22	US-10-737-082-79	Sequence 79, Appl	c 221	15.6	70.9	724	18	US-10-333-184-202	Sequence 202, App
c 149	16.2	73.6	401433	22	US-10-765-790-79	Sequence 79, Appl	c 222	15.6	70.9	726	18	US-09-770-445-931	Sequence 931, App
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c 151	16.2	72.7	21	16	US-10-056-229-197	Sequence 197, App	c 224	15.6	70.9	771	9	US-09-770-445-918	Sequence 918, App
c 152	15.8	71.8	49	20	US-10-851-383-230	Sequence 230, App	c 225	15.6	70.9	771	9	US-09-738-626-2635	Sequence 2635, App
153	15.8	71.8	49	20	US-10-851-383-340	Sequence 340, App	c 226	15.6	70.9	780	9	US-09-770-445-880	Sequence 880, App

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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:57 ; Search time 97.9016 Seconds  
(without alignments)  
1409.457 Million cell updates/sec

Title: US-09-912-968A-7

Perfect score: 22

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Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

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Total number of hits satisfying chosen parameters: 12626748

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database : Published Applications NA:\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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4	22	100.0	824	18	US-10-412-699B-1966
5	22	100.0	835	18	US-10-412-699B-1960
6	22	100.0	1008	17	US-10-225-068-101
7	22	100.0	1008	17	US-10-374-780A-93
8	22	100.0	1008	17	US-10-424-599-66725
9	22	100.0	1008	17	US-10-424-599-66725
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73	22	100.0	1008	17	US-10-424-599-66725
74	22	100.0	1008	17	US-10-424-599-66725
75	22	100.0	1008	17	US-10-424-599-66725
76	22	100.0	1008	17	US-10-424-599-66725
77	22	100.0	1008	17	US-10-424-599-66725
78	22	100.0	1008	17	US-10-424-599-66725
79	22	100.0	1008	17	US-10-424-599-66725
80	22	100.0	1008	17	US-10-424-599-66725

c 93	18	69.2	32055	8	AF458970	AF458970 Saccharom	166	17.8	68.5	168957	2	AC121654	AC121654 Rattus no
c 94	18	69.2	32055	8	AF458975	AF458975 Saccharom	c 167	17.8	68.5	170973	9	AP000923	AP000923 Homo sapi
c 95	18	69.2	32055	8	AF458977	AF458977 Saccharom	168	17.8	68.5	177407	9	AC009880	AC009880 Homo sapi
c 96	18	69.2	32056	8	AF458980	AF458980 Saccharom	c 169	17.8	68.5	185973	2	AC128212	AC128212 Rattus no
c 97	18	69.2	32057	8	AF458979	AF458979 Saccharom	c 170	17.8	68.5	188241	2	AC151195	AC151195 Bos tauru
c 98	18	69.2	32077	8	AF458972	AF458972 Saccharom	c 171	17.8	68.5	194916	2	AC125846	AC125846 Rattus no
c 99	18	69.2	32077	8	AF458974	AF458974 Saccharom	172	17.8	68.5	220460	2	AC122740	AC122740 Mus muscu
c 100	18	69.2	32078	8	AF458971	AF458971 Saccharom	c 173	17.8	68.5	240548	2	AC094036	AC094036 Rattus no
c 101	18	69.2	32078	8	AF458973	AF458973 Saccharom	174	17.8	68.5	256670	2	AC122063	AC122063 Rattus no
c 102	18	69.2	35974	2	AC015005	AC015005 Drosophil	c 175	17.8	68.5	252788	2	AC120720	AC120720 Rattus no
c 103	18	69.2	71908	2	AC101415	AC101415 Mus muscu	c 176	17.8	68.5	260993	2	AC127195	AC127195 Rattus no
c 104	18	69.2	91383	3	AE003572	AE003572 Drosophil	177	17.8	68.5	261376	2	AC094568	AC094568 Rattus no
c 105	18	69.2	92398	3	AE035843	AE035843 Human DNA	c 178	17.8	68.5	266996	2	AC117116	AC117116 Rattus no
c 106	18	69.2	103393	9	AL353137	AL353137 Human DNA	179	17.6	67.7	425	6	BD153757	BD153757 Primer fo
c 107	18	69.2	110000	2	AC109085	AC109085 Rattus no	180	17.6	67.7	425	6	AX873695	AX873695 Sequence
c 108	18	69.2	110000	8	CR382139	CR382139 Debaryomy	181	17.6	67.7	534	11	BV161092	BV161092 RPAMMSQ0
c 109	18	69.2	110000	8	AE016820	AE016820 Continuation (5 of	182	17.6	67.7	1839	10	AB041829	AB041829 Mus muscu
c 110	18	69.2	130235	8	AC008007	AC008007 Genomic s	c 183	17.6	67.7	3203	6	BD160550	BD160550 Primer fo
c 111	18	69.2	142127	2	AC151622	AC151622 Dasytus n	c 184	17.6	67.7	3203	6	AX883822	AX883822 Sequence
c 112	18	69.2	144026	10	AC115304	AC115304 Mus muscu	c 185	17.6	67.7	3203	6	AX024283	AX024283 Homo sapi
c 113	18	69.2	150985	9	HSDJ719C8	AL121908 Human DNA	c 186	17.6	67.7	7284	9	AF460991	AF460991 Homo sapi
c 114	18	69.2	151276	9	AC079383	AC079383 Homo sapi	c 187	17.6	67.7	10465	1	AE010560	AE010560 Fusobacte
c 115	18	69.2	151889	9	AC084250	AC084250 Homo sapi	188	17.6	67.7	15373	10	AF303656	AF303656 Mus muscu
c 116	18	69.2	152747	9	AC068050	AC068050 Homo sapi	189	17.6	67.7	45693	3	CBRM339H11	CBRM339H11
c 117	18	69.2	153740	9	AC020783	AC020783 Homo sapi	c 190	17.6	67.7	57535	5	BX957275	BX957275 Zebrafish
c 118	18	69.2	154792	2	AC118605	AC118605 Mus muscu	c 191	17.6	67.7	63233	2	AC104571	AC104571 Homo sapi
c 119	18	69.2	157553	2	AC141891	AC141891 Mus muscu	c 192	17.6	67.7	66686	2	AC087669	AC087669 Homo sapi
c 120	18	69.2	173910	2	AC120491	AC120491 Rattus no	193	17.6	67.7	85304	9	HS227L5	HS227L5 Homo sapi
c 121	18	69.2	173910	2	AC120491	AC120491 Rattus no	c 194	17.6	67.7	101981	9	AC003001	AC003001 Homo sapi
c 122	18	69.2	173910	2	AC120491	AC120491 Rattus no	195	17.6	67.7	101981	9	AC003001	AC003001 Homo sapi
c 123	18	69.2	173910	2	AC120491	AC120491 Rattus no	c 196	17.6	67.7	110000	2	AC096343	AC096343 Continuation (2 of
c 124	18	69.2	173910	2	AC120491	AC120491 Rattus no	197	17.6	67.7	114434	9	AC093728	AC093728 Homo sapi
c 125	18	69.2	173910	2	AC120491	AC120491 Rattus no	c 198	17.6	67.7	124454	10	AL929446	AL929446 Mouse DNA
c 126	18	69.2	173910	2	AC120491	AC120491 Rattus no	c 199	17.6	67.7	124454	10	AL929446	AL929446 Mouse DNA
c 127	18	69.2	173910	2	AC120491	AC120491 Rattus no	c 200	17.6	67.7	124454	10	AL929446	AL929446 Mouse DNA
c 128	18	69.2	173910	2	AC120491	AC120491 Rattus no	c 201	17.6	67.7	124454	10	AL929446	AL929446 Mouse DNA
c 129	18	69.2	173910	2	AC120491	AC120491 Rattus no	c 202	17.6	67.7	124454	10	AL929446	AL929446 Mouse DNA
c 130	18	69.2	173910	2	AC120491	AC120491 Rattus no	c 203	17.6	67.7	124454	10	AL929446	AL929446 Mouse DNA
c 131	18	69.2	181221	2	AC018707	AC018707 Homo sapi	c 204	17.6	67.7	133976	2	AC138905	AC138905 Homo sapi
c 132	18	69.2	181221	2	AC018707	AC018707 Homo sapi	c 205	17.6	67.7	133976	2	AC138905	AC138905 Homo sapi
c 133	18	69.2	181221	2	AC018707	AC018707 Homo sapi	c 206	17.6	67.7	133976	2	AC138905	AC138905 Homo sapi
c 134	18	69.2	181221	2	AC018707	AC018707 Homo sapi	c 207	17.6	67.7	133976	2	AC138905	AC138905 Homo sapi
c 135	18	69.2	181221	2	AC018707	AC018707 Homo sapi	c 208	17.6	67.7	133976	2	AC138905	AC138905 Homo sapi
c 136	18	69.2	181221	2	AC018707	AC018707 Homo sapi	c 209	17.6	67.7	133976	2	AC138905	AC138905 Homo sapi
c 137	18	69.2	181221	2	AC018707	AC018707 Homo sapi	c 210	17.6	67.7	133976	2	AC138905	AC138905 Homo sapi
c 138	18	69.2	181221	2	AC018707	AC018707 Homo sapi	c 211	17.6	67.7	133976	2	AC138905	AC138905 Homo sapi
c 139	18	69.2	181221	2	AC018707	AC018707 Homo sapi	c 212	17.6	67.7	133976	2	AC138905	AC138905 Homo sapi
c 140	18	69.2	181221	2	AC018707	AC018707 Homo sapi	c 213	17.6	67.7	133976	2	AC138905	AC138905 Homo sapi
c 141	18	69.2	181221	2	AC018707	AC018707 Homo sapi	c 214	17.6	67.7	133976	2	AC138905	AC138905 Homo sapi
c 142	18	69.2	181221	2	AC018707	AC018707 Homo sapi	c 215	17.6	67.7	133976	2	AC138905	AC138905 Homo sapi
c 143	18	69.2	181221	2	AC018707	AC018707 Homo sapi	c 216	17.6	67.7	133976	2	AC138905	AC138905 Homo sapi
c 144	18	69.2	181221	2	AC018707	AC018707 Homo sapi	c 217	17.6	67.7	133976	2	AC138905	AC138905 Homo sapi
c 145	18	69.2	181221	2	AC018707	AC018707 Homo sapi	c 218	17.6	67.7	133976	2	AC138905	AC138905 Homo sapi
c 146	18	69.2	181221	2	AC018707	AC018707 Homo sapi	c 219	17.6	67.7	133976	2	AC138905	AC138905 Homo sapi
c 147	18	69.2	181221	2	AC018707	AC018707 Homo sapi	c 220	17.6	67.7	133976	2	AC138905	AC138905 Homo sapi
c 148	18	69.2	181221	2	AC018707	AC018707 Homo sapi	c 221	17.6	67.7	133976	2	AC138905	AC138905 Homo sapi
c 149	18	69.2	181221	2	AC018707	AC018707 Homo sapi	c 222	17.6	67.7	133976	2	AC138905	AC138905 Homo sapi
c 150	18	69.2	181221	2	AC018707	AC018707 Homo sapi	c 223	17.6	67.7	133976	2	AC138905	AC138905 Homo sapi
c 151	18	69.2	181221	2	AC018707	AC018707 Homo sapi	c 224	17.6	67.7	133976	2	AC138905	AC138905 Homo sapi
c 152	18	69.2	181221	2	AC018707	AC018707 Homo sapi	c 225	17.6	67.7	133976	2	AC138905	AC138905 Homo sapi
c 153	18	69.2	181221	2	AC018707	AC018707 Homo sapi	c 226	17.6	67.7	133976	2	AC138905	AC138905 Homo sapi
c 154	18	69.2	181221	2	AC018707	AC018707 Homo sapi	c 227	17.6	67.7	133976	2	AC138905	AC138905 Homo sapi
c 155	17.8	68.5	15966	1	AP000990	AP000990 Sulfobolu	c 228	17.6	67.7	185032	2	AC016393	AC016393 Homo sapi
c 156	17.8	68.5	15966	1	AP000990	AP000990 Sulfobolu	c 229	17.6	67.7	185032	2	AC016393	AC016393 Homo sapi
c 157	17.8	68.5	15966	1	AP000990	AP000990 Sulfobolu	c 230	17.6	67.7	185032	2	AC016393	AC016393 Homo sapi
c 158	17.8	68.5	15966	1	AP000990	AP000990 Sulfobolu	c 231	17.6	67.7	185032	2	AC016393	AC016393 Homo sapi
c 159	17.8	68.5	15966	1	AP000990	AP000990 Sulfobolu	c 232	17.6	67.7	185032	2	AC016393	AC016393 Homo sapi
c 160	17.8	68.5	15966	1	AP000990	AP000990 Sulfobolu	c 233	17.6	67.7	185032	2	AC016393	AC016393 Homo sapi
c 161	17.8	68.5	15966	1	AP000990	AP000990 Sulfobolu	c 234	17.6	67.7	185032	2	AC016393	AC016393 Homo sapi
c 162	17.8	68.5	15966	1	AP000990	AP000990 Sulfobolu	c 235	17.6	67.7	185032	2	AC016393	AC016393 Homo sapi
c 163	17.8	68.5	15966	1	AP000990	AP000990 Sulfobolu	c 236	17.6	67.7	185032	2	AC016393	AC016393 Homo sapi
c 164	17.8	68.5	15966	1	AP000990	AP000990 Sulfobolu	c 237	17.6	67.7	185032	2	AC016393	AC016393 Homo sapi
c 165	17.8	68.5	15966	1	AP000990	AP000990 Sulfobolu	c 238	17.6	67.7	185032	2	AC016393	AC016393 Homo sapi

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 312.549 Seconds

(without alignments)  
4030.848 Million cell updates/sec

Title: US-09-912-968A-8

Perfect score: 26

Sequence: 1 tgccataataactcgaactcagtagga 26

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 4708233 seqs, 24227607955 residues

Total number of hits satisfying chosen parameters: 9416466

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database :

GenEmbl:\*

1: gb\_ba:\*

2: gb\_htg:\*

3: gb\_in:\*

4: gb\_om:\*

5: gb\_ov:\*

6: gb\_pat:\*

7: gb\_ph:\*

8: gb\_pl:\*

9: gb\_pr:\*

10: gb\_ro:\*

11: gb\_sts:\*

12: gb\_sy:\*

13: gb\_un:\*

14: gb\_vl:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	26	100.0	26	6	AX555236 Sequence
2	26	100.0	197	6	IL19566 Sequence 4
3	26	100.0	632	6	AX463287 Sequence
4	26	100.0	845	8	PEARBCOSS
5	26	100.0	2351	8	PSRC01
6	26	100.0	8012	6	AR143709 Sequence
7	26	100.0	8012	6	BD008400
8	26	100.0	8418	6	AR143713 Sequence
9	26	100.0	8418	6	BD008404
10	26	100.0	8798	6	AR143712 Sequence
11	26	100.0	10846	6	BD008403
12	26	100.0	10846	6	AR225313 Sequence
13	26	100.0	10846	6	AR438378 Sequence
14	26	100.0	10846	6	AR491631 Sequence
15	26	100.0	10847	6	BD062173
16	26	100.0	10900	6	AR225314 Sequence
17	26	100.0	10900	6	AR438379 Sequence
18	26	100.0	10900	6	AR491632 Sequence
19	26	100.0	10901	6	BD062174 Expressio

AX052539 Sequence	6	AX052539	100.0	12614	6	AX052539
CQ867567 Sequence	6	CQ867567	93.8	3706	6	CQ867567
CQ867566 Sequence	6	CQ867566	93.8	3778	6	CQ867566
J01257 Pea (P.sati	8	PEARUBPA	87.7	619	8	PEARUBPA
X04333 Pea rbcS-3A	8	PSRCS3A	87.7	2061	8	PSRCS3A
AB086434 Synthetic	12	AB086434	87.7	10212	12	AB086434
AB086433 Synthetic	12	AB086433	87.7	10856	12	AB086433
AF309825 Plant exp	12	AF309825	87.7	11522	12	AF309825
AF294981 Binary ve	12	AF294981	87.7	12072	12	AF294981
AF294982 Binary ve	12	AF294982	87.7	12942	12	AF294982
AF330636 Plant DNA	12	AF330636	87.7	14103	12	AF330636
AF294979 Binary ve	12	AF294979	87.7	14203	12	AF294979
AF294980 Binary ve	12	AF294980	87.7	14230	12	AF294980
AX019937 Sequence	20	AX019937	76.9	20	6	AX019937
AX128200 Sequence	20	AX128200	76.9	20	6	AX128200
AX460967 Sequence	20	AX460967	76.9	20	6	AX460967
AE006704 Sulfolobu	1	AE006704	76.2	12477	1	AE006704
Y18930 Sulfolobus	1	SSUL18930	76.2	281244	1	SSUL18930
AL355597 Human DNA	9	AL355597	72.3	89340	9	AL355597
AC096222 Rattus no	2	AC096222	72.3	234528	2	AC096222
AC134202 Rattus no	2	AC134202	72.3	235783	2	AC134202
AC126820 Rattus no	2	AC126820	72.3	260809	2	AC126820
G23188 human STS W	11	G23188	71.5	463	11	G23188
AJ440747 Otertagi	3	OOS440747	71.5	1849	3	OOS440747
AC012853 Drosophil	2	AC012853	71.5	16237	2	AC012853
AC103668 Mus muscu	2	AC103668	71.5	68018	2	AC103668
AC090083 Homo sapi	9	AC090083	71.5	96253	9	AC090083
AC011761 Drosophil	3	AC011761	71.5	108727	3	AC011761
AC092835 Homo sapi	5	AL929174	71.5	158404	5	AL929174
AL929174 Zebrafish	5	AL929174	71.5	161610	5	AL929174
AC010673 Homo sapi	2	AC010673	71.5	167358	2	AC010673
AC124106 Mus muscu	10	AC124106	71.5	167372	10	AC124106
AC036626 Homo sapi	2	AC036626	71.5	178953	2	AC036626
AC036621 Homo sapi	2	AC036621	71.5	181141	2	AC036621
AC087738 Homo sapi	9	AC087738	71.5	181511	9	AC087738
AL672250 Mouse DNA	10	AL672250	71.5	199204	10	AL672250
AC073717 Mus muscu	2	AC073717	71.5	215105	2	AC073717
AC148894 Otalemur	2	AC148894	71.5	215632	2	AC148894
AC120646 Rattus no	3	AE003570	71.5	221539	3	AE003570
AE003570 Drosophil	3	AE003570	71.5	229666	3	AE003570
AC123753 Mus muscu	2	AC123753	71.5	327059	2	AC123753
AC112941 Mus muscu	2	AC112941	70.8	166763	2	AC112941
AC138212 Mus muscu	2	AC138212	70.8	208456	2	AC138212
AC133952 Mus muscu	2	AC133952	70.8	349287	2	AC133952
CQ870143 Sequence	6	CQ870143	70.0	26678	6	CQ870143
U95973 Arabidopsis	8	U95973	70.0	115841	8	U95973
AL118508 Human DNA	9	HSJ737E23	70.0	123832	9	HSJ737E23
AC007719 Homo sapi	9	AC007719	70.0	150831	9	AC007719
AC011151 Homo sapi	2	AC011151	70.0	153187	2	AC011151
CR354434 Danio rer	2	CR354434	70.0	158673	2	CR354434
CR354390 Danio rer	2	CR354390	70.0	168917	2	CR354390
AC134318 Rattus no	2	AC134318	70.0	173396	2	AC134318
AC114820 Mus muscu	10	AC114820	70.0	174470	10	AC114820
AC097589 Sus scro	2	AC097589	70.0	186730	2	AC097589
AC094251 Rattus no	5	AC144827	70.0	192157	5	AC144827
AC144827 Danio rer	5	AC144827	70.0	192706	5	AC144827
AL591404 Mouse DNA	10	AL591404	70.0	203613	10	AL591404
AC113533 Mus muscu	10	AC113533	70.0	206930	10	AC113533
EX511081 Danio rer	2	EX511081	70.0	210282	2	EX511081
AC129674 Rattus no	2	AC129674	70.0	225000	2	AC129674
AC128762 Rattus no	2	AC128762	70.0	292007	2	AC128762
M15190 Yeast (S.ce	4	CYCRHO2X	69.2	706	4	CYCRHO2X
BC084358 Xenopus l	5	BC084358	69.2	714	5	BC084358
Z71366 S.cerevisia	5	BC065327	69.2	1417	5	BC065327
BC065327 Danio rer	5	BC065327	69.2	2119	5	BC065327
AC018005 Drosophil	3	U22832	69.2	7105	3	U22832
U22832 Caenorhabdi	3	U22832	69.2	16149	3	U22832
X89016 S.cerevisia	8	SCORFSDNA	69.2	17333	8	SCORFSDNA
AF458976 Saccharom	8	AF458976	69.2	31986	8	AF458976
AF458978 Saccharom	8	AF458978	69.2	32051	8	AF458978
AF458981 Saccharom	8	AF458981	69.2	32053	8	AF458981
AF458969 Saccharom	8	AF458969	69.2	32054	8	AF458969

94	16.6	63.8	4261	12	ADJ12616	Adj12616 DNA fragm	c 167	16.4	63.1	2655	6	ABK72280	Abk72280 Lymphona
95	16.6	63.8	4973	4	ABL03620	Abi03620 Drosophil	c 168	16.4	63.1	2655	6	ABK72322	Abk72322 DNA encod
96	16.6	63.8	5130	5	AS84060	Asa84060 DNA encod	c 169	16.4	63.1	2655	8	ABZ68699	Abz68699 Nucleotid
97	16.6	63.8	5130	5	AS72822	Asa72822 DNA encod	c 170	16.4	63.1	2655	12	ADM79334	Adm79334 Mouse lym
98	16.6	63.8	5130	5	AS74984	Asa74984 DNA encod	c 171	16.4	63.1	2655	4	AS21284	Asa21284 Human cDN
99	16.6	63.8	5130	5	AS68166	Asa68166 DNA encod	c 172	16.4	63.1	2655	8	ACA03643	Acta03643 cDNA enco
100	16.6	63.8	5130	5	AS85098	Asa85098 DNA encod	c 173	16.4	63.1	2655	8	ABX89181	Abx89181 DNA encod
101	16.6	63.8	5130	5	AS66528	Asa66528 DNA encod	c 174	16.4	63.1	2655	8	ACD41835	Actd41835 Human sec
102	16.6	63.8	5130	5	AS89455	Asa89455 DNA encod	c 175	16.4	63.1	2655	8	ACA04064	Acta04064 Human cDN
103	16.6	63.8	5130	5	AS67239	Asa67239 DNA encod	c 176	16.4	63.1	2655	8	ACA04060	Acta04060 Novel hum
104	16.6	63.8	5130	5	AS73825	Asa73825 DNA encod	c 177	16.4	63.1	2655	9	ADA76031	Ada76031 Human PRO
105	16.6	63.8	5130	5	AS70242	Asa70242 DNA encod	c 178	16.4	63.1	2655	9	ADA18681	Ada18681 Human PRO
106	16.6	63.8	5130	5	AS70789	Asa70789 DNA encod	c 179	16.4	63.1	2655	9	ADA61304	Ada61304 Homo sapi
107	16.6	63.8	5130	5	AS84966	Asa84966 DNA encod	c 180	16.4	63.1	2655	9	ADB19089	Adb19089 Novel hum
108	16.6	63.8	5131	5	AS83326	Asa83326 DNA encod	c 181	16.4	63.1	2655	9	ADB27630	Adb27630 cDNA enco
109	16.6	63.8	5131	5	AS65594	Asa65594 DNA encod	c 182	16.4	63.1	2655	9	ADA86109	Ada86109 Novel hum
110	16.6	63.8	5210	5	AS83526	Asa83526 DNA encod	c 183	16.4	63.1	2655	9	ADB15673	Adb15673 Human PRO
111	16.6	63.8	5213	5	AS89597	Asa89597 DNA encod	c 184	16.4	63.1	2655	9	ADA47459	Ada47459 Human PRO
112	16.6	63.8	5231	5	AS66699	Asa66699 DNA encod	c 185	16.4	63.1	2655	9	ADA67254	Ada67254 Human PRO
113	16.6	63.8	5450	5	AS65193	Asa65193 DNA encod	c 186	16.4	63.1	2655	9	ADB30261	Adb30261 cDNA enco
114	16.6	63.8	5773	5	AS84049	Asa84049 DNA encod	c 187	16.4	63.1	2655	9	ADA85557	Ada85557 Novel hum
115	16.6	63.8	6028	10	ADE09776	Ada09776 Novel DNA	c 188	16.4	63.1	2655	9	ADA96769	Ada96769 Human PRO
116	16.6	63.8	6194	5	AS73339	Asa73339 DNA encod	c 189	16.4	63.1	2655	9	ADA79073	Ada79073 Human PRO
117	16.6	63.8	6245	13	ADQ38416	Adq38416 Human SNP	c 190	16.4	63.1	2655	9	ADA87212	Ada87212 Novel hum
118	16.6	63.8	6770	12	ADI24472	Adi24472 Human mod	c 191	16.4	63.1	2655	9	ADB16414	Adb16414 Human PRO
119	16.6	63.8	6779	12	ADP21387	Adp21387 Gene PPP1	c 192	16.4	63.1	2655	9	ADA91506	Ada91506 Novel hum
120	16.6	63.8	6797	13	ADQ38415	Adq38415 Human SNP	c 193	16.4	63.1	2655	9	ADB14569	Adb14569 Human PRO
121	16.6	63.8	7384	6	ABL32746	Abi32746 Human imm	c 194	16.4	63.1	2655	9	ADB18530	Adb18530 Novel hum
122	16.6	63.8	8065	5	AS78738	Asa78738 DNA encod	c 195	16.4	63.1	2655	9	ADA93745	Ada93745 Human PRO
123	16.6	63.8	8479	5	AS66388	Asa66388 DNA encod	c 196	16.4	63.1	2655	9	ADB19641	Adb19641 Novel hum
124	16.6	63.8	10136	5	AS75390	Asa75390 DNA encod	c 197	16.4	63.1	2655	9	ADB12953	Adb12953 Human PRO
125	16.6	63.8	10136	10	ADF60156	Adf60156 Human con	c 198	16.4	63.1	2655	9	ACD98464	Actd98464 Novel hum
126	16.6	63.8	10579	6	AS69831	Asa69831 DNA encod	c 199	16.4	63.1	2655	9	ADA74207	Ada74207 Human PRO
127	16.6	63.8	31766	5	AD22781	Ada22781 Human sul	c 200	16.4	63.1	2655	9	ADB24440	Adb24440 Human PRO
128	16.6	63.8	31766	6	AL50687	Ala50687 Human sul	c 201	16.4	63.1	2655	9	ADA81964	Ada81964 Human PRO
129	16.6	63.8	96589	9	ADA02954	Ada02954 Human NR3	c 202	16.4	63.1	2655	9	ADA74927	Ada74927 Human PRO
130	16.6	63.8	96589	10	ADB72692	Adb72692 Human NR3	c 203	16.4	63.1	2655	9	ADA85005	Ada85005 Novel hum
131	16.6	63.8	96589	12	ADC85434	Adc85434 Human car	c 204	16.4	63.1	2655	9	ADA84453	Ada84453 Novel hum
132	16.6	63.8	96589	12	ADM74549	Adm74549 Human nr3	c 205	16.4	63.1	2655	9	ADB29709	Adb29709 cDNA enco
133	16.6	63.8	104900	3	ABD32848	Abd32848 Human can	c 206	16.4	63.1	2655	9	ADA80237	Ada80237 Human PRO
134	16.6	63.8	110000	2	AT42063_00	Ata42063 Haemophil	c 207	16.4	63.1	2655	9	ADA75479	Ada75479 Human PRO
135	16.6	63.8	110000	2	AT42063_03	Ata42063 Haemophil	c 208	16.4	63.1	2655	9	ADA46704	Ada46704 Human PRO
136	16.6	63.8	110000	2	AX91990_00	Axa91990 Nucleotid	c 209	16.4	63.1	2655	9	ADB25000	Adb25000 Human PRO
137	16.6	63.8	154799	13	ADS36467	Ads36467 Human aut	c 210	16.4	63.1	2655	9	ADA93176	Ada93176 Human PRO
138	16.6	63.8	212321	11	ACN44598	Actn44598 Human gen	c 211	16.4	63.1	2655	9	ADB26526	Adb26526 cDNA enco
139	16.6	63.8	276820	11	ADP75188	Adp75188 Human ADA	c 212	16.4	63.1	2655	9	ADB30813	Adb30813 cDNA enco
140	16.6	63.8	308766	13	ADT05738	Adt05738 Haemophil	c 213	16.4	63.1	2655	9	ADA60741	Ada60741 Homo sapi
141	16.6	63.8	349980	13	ADT05648	Adt05648 Haemophil	c 214	16.4	63.1	2655	9	ADB23888	Adb23888 Human PRO
142	16.6	63.1	224	5	ADI67689	Adi67689 Human ova	c 215	16.4	63.1	2655	9	ADA96217	Ada96217 Human PRO
143	16.6	63.1	224	5	ADI74071	Adi74071 Human ova	c 216	16.4	63.1	2655	9	ADA80789	Ada80789 Human PRO
144	16.6	63.1	226	5	ADI45441	Adi45441 Human ova	c 217	16.4	63.1	2655	9	ADA95665	Ada95665 Human PRO
145	16.6	63.1	300	6	ABL75112	Abi75112 Corn tass	c 218	16.4	63.1	2655	9	ADB25974	Adb25974 cDNA enco
146	16.6	63.1	329	5	AKJ3908	Adi3908 Human ova	c 219	16.4	63.1	2655	9	ADB21459	Adb21459 Novel hum
147	16.6	63.1	401	4	AK95564	Axa95564 Human neu	c 220	16.4	63.1	2655	9	ADA77238	Ada77238 Human PRO
148	16.6	63.1	401	4	AK97057	Abt97057 Human neu	c 221	16.4	63.1	2655	9	ADB17978	Adb17978 cDNA enco
149	16.6	63.1	401	6	ABT00334	Abt00334 Human neu	c 222	16.4	63.1	2655	9	ADA86661	Ada86661 Novel hum
150	16.6	63.1	401	6	ABT01827	Abt01827 Human neu	c 223	16.4	63.1	2655	9	ADA87764	Ada87764 Novel hum
151	16.6	63.1	424	8	ABX41329	Abx41329 Bovine ES	c 224	16.4	63.1	2655	9	ADA46152	Ada46152 Novel hum
152	16.6	63.1	711	13	ADR59654	Adr59654 Corton CD	c 225	16.4	63.1	2655	9	ADB28182	Adb28182 cDNA enco
153	16.6	63.1	715	4	AHA08384	Aha08384 Human cDN	c 226	16.4	63.1	2655	9	ADB28734	Adb28734 cDNA enco
154	16.6	63.1	876	13	ADT47528	Adt47528 Bacterial	c 227	16.4	63.1	2655	9	ADA76686	Ada76686 Human PRO
155	16.6	63.1	1036	12	ADM47826	Adm47826 Polynucle	c 228	16.4	63.1	2655	9	ADA88316	Ada88316 Novel hum
156	16.6	63.1	1464	5	AS76719	Asa76719 DNA encod	c 229	16.4	63.1	2655	9	ADA97321	Ada97321 Human PRO
157	16.6	63.1	1464	5	AS73147	Asa73147 DNA encod	c 230	16.4	63.1	2655	9	ADB27078	Adb27078 cDNA enco
158	16.6	63.1	1464	5	AS82176	Asa82176 DNA encod	c 231	16.4	63.1	2655	9	ADB22011	Adb22011 Novel hum
159	16.6	63.1	1491	5	AS70442	Asa70442 DNA encod	c 232	16.4	63.1	2655	9	ADA66702	Ada66702 Human PRO
160	16.6	63.1	1777	11	ADM03234	Adm03234 Human cDN	c 233	16.4	63.1	2655	9	ADB22563	Adb22563 Human PRO
161	16.6	63.1	1850	12	ADI61761	Adi61761 Human cDN	c 234	16.4	63.1	2655	9	ADB23336	Adb23336 Human PRO
162	16.6	63.1	1992	10	ADL07543	Adl07543 cDNA enco	c 235	16.4	63.1	2655	9	ADA92058	Ada92058 Novel hum
163	16.6	63.1	2127	6	ABL89827	Abi89827 Human pol	c 236	16.4	63.1	2655	9	ADB15121	Adb15121 Human PRO
164	16.6	63.1	2185	10	ADA52735	Ada52735 Human cod	c 237	16.4	63.1	2655	9	ADB38373	Adb38373 Novel hum
165	16.6	63.1	2282	6	AQ15017	Aqi15017 Encodes y	c 238	16.4	63.1	2655	9	ADB37821	Adb37821 Novel hum
166	16.6	63.1	2547	6	ABI99759	Abi99759 Mouse isc	c 239	16.4	63.1	2655	10	ADB66293	Adb66293 Novel hum



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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 37.1533 Seconds  
(without alignments)  
4142.654 Million cell updates/sec

Title: US-09-912-968a-8

Perfect score: 26

Sequence: 1 tgcataataactcgactcagtagga 26

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 4390206 seqs, 2959870667 residues

Total number of hits satisfying chosen parameters: 8780412

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 500 summaries

Database : N\_Geneseq\_16Dec04:\*

- 1: geneseqn1980s:\*
- 2: geneseqn1990s:\*
- 3: geneseqn2000s:\*
- 4: geneseqn2001as:\*
- 5: geneseqn2001bs:\*
- 6: geneseqn2002as:\*
- 7: geneseqn2002bs:\*
- 8: geneseqn2003as:\*
- 9: geneseqn2003bs:\*
- 10: geneseqn2003cs:\*
- 11: geneseqn2003ds:\*
- 12: geneseqn2004as:\*
- 13: geneseqn2004bs:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	26	100.0	26	ABN84494	Abn84494 Arabidops
2	26	100.0	197	Aaz288564	Aaz288564 PLRV cDNA
3	26	100.0	632	ABN83922	Abn83922 E9 3'term
4	26	100.0	1998	ABV76269	Abv76269 Expressio
5	26	100.0	7129	ADE97423	Ade97423 DNA deriv
6	26	100.0	8012	AAx57305	Aax57305 Sugar bee
7	26	100.0	8418	AAx57309	Aax57309 Sugar bee
8	26	100.0	8798	AAx57308	Aax57308 Sugar bee
9	26	100.0	10846	ABs54336	Abes54336 E. coli f
10	26	100.0	10847	AAx08923	Aax08923 Vector co
11	26	100.0	10900	AAx08924	Aax08924 Vector co
12	26	100.0	10900	6 ABS54337	Abes54337 E. coli f
13	26	100.0	11606	ADQ13598	Adq13598 Plasmid p
14	26	100.0	12304	8 ABV75876	Abv75876 Luciferas
15	26	100.0	12497	8 ABV75875	Abv75875 Luciferas
16	26	100.0	12614	4 AAC66931	Aac66931 Plant sig
17	24.4	93.8	1008	10 ADE37162	Ade37162 Plant yie
18	24.4	93.8	1008	12 ADI41630	Adi41630 Plant tra
19	24.4	93.8	1008	12 ADO01896	Ado01896 Thalecres
20	24.4	93.8	1147	4 AAD06461	Aad06461 Arabidops

C 21	24.4	93.8	3706	13	ADR49368	Adr49368 H7-1 tran
C 22	24.4	93.8	3778	13	ADR49367	Adr49367 Vector pV
C 23	22.8	87.7	6128	9	ACC85050	Acc85050 Inducible
C 24	22.8	87.7	11522	6	ABK89709	Abk89709 Oestrogen
C 25	20	76.9	20	2	AAZ00082	Aaz00082 PCR prime
C 26	20	76.9	20	5	AAS04262	Aas04262 Oligonuc1
C 27	20	76.9	20	6	ABK53059	Abk53059 F72 PCR p
C 28	18.2	70.0	28678	13	ABD32878	Abd32878 Human can
C 29	18	69.2	579	13	ABs47236	Abes47236 Bacterial
C 30	17.8	68.5	596	4	AAI41444	Aai41444 Probe #10
C 31	17.8	68.5	596	4	AAK35729	Aak35729 Human bon
C 32	17.8	68.5	596	4	AAK09835	Aak09835 Human bra
C 33	17.6	67.7	425	4	AAH11765	Aah11765 Human CDN
C 34	17.6	67.7	1934	3	AAc93498	Aac93498 Human sec
C 35	17.6	67.7	3203	4	AAH18558	Aah18558 Human CDN
C 36	17.6	67.7	6128	9	ACC85050	Acc85050 Inducible
C 37	17.6	67.7	20905	4	ABA07327	Abao7327 Human pan
C 38	17.6	67.7	20905	4	AAK90486	Aak90486 Human dig
C 39	17.6	67.7	20905	4	AAK87167	Aak87167 Human imm
C 40	17.4	66.9	29	8	ABX15646	Abx15646 Rbcs term
C 41	17.4	66.9	758	6	ABL92980	Ab192980 Rat metas
C 42	17.4	66.9	758	6	ABL92980	Ab192980 Rat metas
C 43	17.2	66.2	772	12	ADN07771	Adn07771 Human mam
C 44	17.2	66.2	927	5	AAH07018	Aah07018 Human CDN
C 45	17.2	66.2	1630	3	AAA68014	Aaa68014 DNA encod
C 46	17.2	66.2	1630	10	ADD41764	Add41764 Eucalyptu
C 47	17.2	66.2	1697	4	AAH18581	Aah18581 Human CDN
C 48	17.2	66.2	2000	10	ADC08522	Adc08522 Rice DNA
C 49	17.2	66.2	2096	3	AAc62810	Aac62810 O-methyl
C 50	17.2	66.2	2096	6	ABK17075	Abk17075 Eucalyptu
C 51	17.2	66.2	2096	10	ADH75476	Adh75476 Eucalyptu
C 52	17.2	66.2	3070	6	ABK17109	Abk17109 Eucalyptu
C 53	17.2	66.2	3070	10	ADH75529	Adh75529 Eucalyptu
C 54	17.2	66.2	4374	9	ADA66336	Ada66336 Human IQG
C 55	17.2	66.2	4374	10	ADL27130	Adl27130 Human IQG
C 56	17.2	66.2	4974	11	ADL27130	Adl27130 Human IQG
C 57	17.2	66.2	4974	11	ADL27130	Adl27130 Human IQG
C 58	17.2	66.2	5239	6	AA43316	Aad43316 Human DTC
C 59	17.2	66.2	7573	2	AAT58681	Aat58681 DNA encod
C 60	17.2	66.2	7573	6	ABK83875	Abk83875 Human CDN
C 61	17.2	66.2	7573	6	ABN95697	Abn95697 Gene #219
C 62	17.2	66.2	7573	9	ADA03051	Ada03051 Human IQG
C 63	17.2	66.2	7573	9	ADA66335	Ada66335 Human IQG
C 64	17.2	66.2	7573	10	ADB72789	Abd72789 Human IQG
C 65	17.2	66.2	7573	11	ADL27129	Adl27129 Human CDN
C 66	17.2	66.2	7573	13	ADR52832	Adr52832 Drug ther
C 67	17.2	66.2	7634	11	ACN89270	Acn89270 Breast ca
C 68	17.2	66.2	90183	12	ADQ97960_3	Ado97960_3 of
C 69	17	65.4	861	12	ADO35784	Ado35784 Novel mou
C 70	17	65.4	1672	13	ADR24247	Adr24247 Breast ca
C 71	17	65.4	2094	13	ADP24700	Adp24700 PRO poly
C 72	17	65.4	6745	10	ADF82055	Adf82055 Leukaemia
C 73	17	65.4	8425	4	ABL02628	Ab102628 Drosophil
C 74	17	65.4	191996	13	ADT05647	Adt05647 Haemophil
C 75	16.8	64.6	103	3	AAA42026	Aaa42026 Human sec
C 76	16.8	64.6	169998	6	AD36511	Ad36511 Human Her
C 77	16.8	64.6	197496	6	ABN85584	Abn85584 Human EGF
C 78	16.8	64.6	209083	13	ABD32854	Abd32854 Human can
C 79	16.8	63.8	375	6	ADH31561	Adh31561 Novel yea
C 80	16.6	63.8	648	4	AAH29603	Aah29603 Drosophyl
C 81	16.6	63.8	1017	8	ACA24812	Ac24812 Prokaryot
C 82	16.6	63.8	1253	8	ABT20379	Abt20379 Aspergill
C 83	16.6	63.8	2277	5	AA84982	Aas84982 DNA encod
C 84	16.6	63.8	2460	5	ABU54233	Abu54233 Human G-p
C 85	16.6	63.8	2606	5	AA875832	Aas75832 DNA encod
C 86	16.6	63.8	2999	8	ABT17969	Abt17969 Aspergill
C 87	16.6	63.8	3253	5	ABT19783	Abt19783 Aspergill
C 88	16.6	63.8	3316	5	AA875000	Aas75000 DNA encod
C 89	16.6	63.8	3316	5	AA870804	Aas70804 DNA encod
C 90	16.6	63.8	3316	5	AA870259	Aas70259 DNA encod
C 91	16.6	63.8	3316	5	AA873840	Aas73840 DNA encod
C 92	16.6	63.8	3588	5	AA868192	Aas68192 DNA encod
C 93	16.6	63.8	4260	12	ADJ12563	Adj12563 DNA fragm



98	18	69.2	921	6	CD253216	AGENCOURT	171	17.6	67.7	578	1	AU145166
99	17.8	68.5	288	2	BB308759	BB308759	172	17.6	67.7	582	2	AW051579
100	17.8	68.5	429	1	AV348111	AV348111	173	17.6	67.7	585	4	BM666132
101	17.8	68.5	495	4	BJ645843	BJ645843	174	17.6	67.7	585	8	AQ084391
102	17.8	68.5	507	9	CG730873	CG730873	175	17.6	67.7	589	8	AZ224814
103	17.8	68.5	514	7	CK995737	CK995737	176	17.6	67.7	589	5	BX953334
104	17.8	68.5	519	7	CM004014	CM004014	177	17.6	67.7	625	4	BG398273
105	17.8	68.5	532	4	BJ652230	BJ652230	178	17.6	67.7	643	4	BF974352
106	17.8	68.5	544	8	BH274045	BH274045	179	17.6	67.7	673	2	BE385559
107	17.8	68.5	556	4	BJ664435	BJ664435	180	17.6	67.7	681	5	BM439305
108	17.8	68.5	560	4	BJ653871	BJ653871	181	17.6	67.7	688	5	BU549586
109	17.8	68.5	562	4	BJ664303	BJ664303	182	17.6	67.7	725	7	CM429395
110	17.8	68.5	583	6	CD817090	CD817090	183	17.6	67.7	727	5	BU633328
111	17.8	68.5	601	9	CR319150	CR319150	184	17.6	67.7	736	5	BQ446504
112	17.8	68.5	635	7	CK619559	CK619559	185	17.6	67.7	746	5	BQ179104
113	17.8	68.5	689	6	CD819433	CD819433	186	17.6	67.7	747	4	BG643954
114	17.8	68.5	731	2	AW776357	AW776357	187	17.6	67.7	760	9	AG026102
115	17.8	68.5	864	9	CG948446	CG948446	188	17.6	67.7	799	7	CK022407
116	17.8	68.5	912	8	BZ452132	BZ452132	189	17.6	67.7	828	2	BE543579
117	17.6	67.7	285	2	BE766630	BE766630	190	17.6	67.7	839	9	AG552074
118	17.6	67.7	333	7	H38792	H38792	191	17.6	67.7	861	7	CO814462
119	17.6	67.7	336	7	W87812	W87812	192	17.6	67.7	872	5	BQ421563
120	17.6	67.7	338	1	AZ279748	AZ279748	193	17.6	67.7	876	4	BI769442
121	17.6	67.7	351	2	BE772803	BE772803	194	17.6	67.7	966	9	CG143197
122	17.6	67.7	360	1	A1082875	A1082875	195	17.4	66.9	550	4	BG665667
123	17.6	67.7	371	2	BE772805	BE772805	196	17.4	66.9	667	7	CV074821
124	17.6	67.7	372	2	AW275538	AW275538	197	17.4	66.9	764	7	CV119900
125	17.6	67.7	373	7	H50275	H50275	198	17.4	66.9	776	5	BM452124
126	17.6	67.7	391	4	BM670117	BM670117	199	17.4	66.9	1207	7	CF110515
127	17.6	67.7	394	1	A1799129	A1799129	200	17.2	66.2	232	6	CD954000
128	17.6	67.7	397	1	AA504743	AA504743	201	17.2	66.2	288	5	BQ108393
129	17.6	67.7	399	1	A1282394	A1282394	202	17.2	66.2	309	5	BQ319752
130	17.6	67.7	405	1	A1435576	A1435576	203	17.2	66.2	313	8	B2140404
131	17.6	67.7	421	9	CR095782	CR095782	204	17.2	66.2	324	4	BG940293
132	17.6	67.7	424	1	AA707817	AA707817	205	17.2	66.2	338	6	CD066592
133	17.6	67.7	425	2	AW103115	AW103115	206	17.2	66.2	339	2	BE694413
134	17.6	67.7	425	1	AU153757	AU153757	207	17.2	66.2	353	7	CK710570
135	17.6	67.7	427	1	A1218321	A1218321	208	17.2	66.2	368	7	CF596294
136	17.6	67.7	427	4	BM134012	BM134012	209	17.2	66.2	398	8	B58382
137	17.6	67.7	428	2	BE059237	BE059237	210	17.2	66.2	443	8	AO661069
138	17.6	67.7	430	1	AA621652	AA621652	211	17.2	66.2	464	7	CO225603
139	17.6	67.7	432	1	AA8273629	AA8273629	212	17.2	66.2	485	9	CL892210
140	17.6	67.7	439	2	BE097772	BE097772	213	17.2	66.2	499	8	CC038950
141	17.6	67.7	446	7	H99377	H99377	214	17.2	66.2	524	8	BH188463
142	17.6	67.7	447	1	A1052070	A1052070	215	17.2	66.2	524	8	CNS07SH4
143	17.6	67.7	447	1	A1810071	A1810071	216	17.2	66.2	544	8	BH716122
144	17.6	67.7	458	2	AW663912	AW663912	217	17.2	66.2	555	5	BX511510
145	17.6	67.7	462	4	BI494346	BI494346	218	17.2	66.2	582	5	BF337421
146	17.6	67.7	467	7	HI9606	HI9606	219	17.2	66.2	583	7	CO117081
147	17.6	67.7	473	1	AA7033504	AA7033504	220	17.2	66.2	597	9	CL659483
148	17.6	67.7	474	7	CK826320	CK826320	221	17.2	66.2	609	7	CF082675
149	17.6	67.7	478	2	AW206443	AW206443	222	17.2	66.2	611	8	BH183618
150	17.6	67.7	483	7	CH9671	CH9671	223	17.2	66.2	611	9	CNS07QOU
151	17.6	67.7	487	6	HA145771	HA145771	224	17.2	66.2	613	8	AO586959
152	17.6	67.7	488	1	A1092894	A1092894	225	17.2	66.2	626	9	CL517654
153	17.6	67.7	489	1	AA707800	AA707800	226	17.2	66.2	640	8	BH453422
154	17.6	67.7	492	4	BI494347	BI494347	227	17.2	66.2	640	8	AO653135
155	17.6	67.7	496	2	AW131885	AW131885	228	17.2	66.2	649	7	CN916341
156	17.6	67.7	499	5	BQ582272	BQ582272	229	17.2	66.2	650	7	CN746692
157	17.6	67.7	504	1	A1806763	A1806763	230	17.2	66.2	657	7	CN398092
158	17.6	67.7	509	7	H50254	H50254	231	17.2	66.2	659	5	BX507077
159	17.6	67.7	512	7	HI2761	HI2761	232	17.2	66.2	670	7	CO524230
160	17.6	67.7	514	1	A1951781	A1951781	233	17.2	66.2	692	1	AU136299
161	17.6	67.7	516	5	BQ299058	BQ299058	234	17.2	66.2	704	7	CO114770
162	17.6	67.7	520	4	BG651438	BG651438	235	17.2	66.2	717	8	B2147995
163	17.6	67.7	523	1	AU150183	AU150183	236	17.2	66.2	725	9	CL658569
164	17.6	67.7	529	1	AU151975	AU151975	237	17.2	66.2	727	9	AG449248
165	17.6	67.7	529	2	AW182498	AW182498	238	17.2	66.2	729	8	BH188416
166	17.6	67.7	548	8	BM990578	BM990578	239	17.2	66.2	732	8	CNS07SFT
167	17.6	67.7	548	5	AO934622	AO934622	240	17.2	66.2	732	8	BH185917
168	17.6	67.7	552	7	CR740282	CR740282	241	17.2	66.2	732	7	CNS07QIN
169	17.6	67.7	563	9	BX988951	BX988951	242	17.2	66.2	734	7	CO522660
170	17.6	67.7	572	9	CC640907	CC640907	243	17.2	66.2	735	6	CA405610

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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 243.471 Seconds  
(without alignments)  
4064.839 Million cell updates/sec

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Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 34239544 seqs, 19032134700 residues

Total number of hits satisfying chosen parameters: 68479088

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database :

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4: gb\_est3:\*

5: gb\_est4:\*

6: gb\_est5:\*

7: gb\_est6:\*

8: gb\_gsa1:\*

9: gb\_gsa2:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	22.8	87.7	155	6	CD860783 TNE.003A0
5	22.8	87.7	161	6	CD860752 TE.005024
6	22.8	87.7	176	6	CD860921 TNE.003H2
7	22.8	87.7	176	6	CD860933 TNE.003I1
8	22.8	87.7	191	6	CD861044 TNE.003O1
9	22.8	87.7	255	6	CD860695 TE.005K04
10	22.8	87.7	284	6	CD860971 TNE.003K1
11	22.8	87.7	335	6	CD861030 TNE.003N1
12	22.8	87.7	437	6	CD861014 TNE.003M2
13	19.6	75.4	576	6	CD859137 CNI.003A1
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17	18.8	72.3	604	5	BQ971745 QHBBD10.Y
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103	15.6	60.0	601	4	US-09-949-016-206316	Sequence 206316,	c 176	15.4	59.2	1107	3	US-08-781-420-14	Sequence 14, Appl
104	15.6	60.0	1212	3	US-08-943-731-98	Sequence 98, Appl	c 177	15.4	59.2	1107	3	US-08-874-102-13	Sequence 13, Appl
c 105	15.6	60.0	1578	4	US-09-860-768-1	Sequence 1, Appl	c 178	15.4	59.2	1107	3	US-08-874-102-14	Sequence 14, Appl
c 106	15.6	60.0	1578	4	US-09-860-768-3	Sequence 3, Appl	c 179	15.4	59.2	1107	3	US-08-006-595A-13	Sequence 13, Appl
c 107	15.6	60.0	10427	4	US-09-949-016-15785	Sequence 15785, A	c 180	15.4	59.2	1107	3	US-08-006-595A-14	Sequence 14, Appl
c 108	15.6	60.0	20901	4	US-09-949-016-11866	Sequence 11866, A	c 181	15.4	59.2	1301	4	US-09-902-540-3642	Sequence 3642, Ap
c 109	15.6	60.0	35881	4	US-08-311-731A-127	Sequence 127, App	c 182	15.4	59.2	1392	4	US-08-489-039A-3972	Sequence 3972, Ap
c 110	15.6	60.0	36643	4	US-09-949-016-11860	Sequence 11860, A	c 183	15.4	59.2	1401	3	US-08-984-919A-32	Sequence 32, Appl
c 111	15.6	60.0	38821	4	US-09-949-016-16403	Sequence 16403, A	c 184	15.4	59.2	1401	3	US-08-984-919A-34	Sequence 34, Appl
c 112	15.6	60.0	36821	4	US-09-949-016-16404	Sequence 16404, A	c 185	15.4	59.2	1407	3	US-08-874-102-32	Sequence 32, Appl
c 113	15.6	60.0	37412	4	US-09-949-016-17566	Sequence 17566, A	c 186	15.4	59.2	1407	3	US-08-874-102-34	Sequence 34, Appl
c 114	15.6	60.0	38682	3	US-08-943-731-2	Sequence 2, Appl	c 187	15.4	59.2	1410	3	US-08-984-919A-54	Sequence 54, Appl
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c 116	15.6	60.0	40649	4	US-09-949-016-14219	Sequence 14219, A	c 189	15.4	59.2	1416	3	US-08-874-102-54	Sequence 54, Appl
c 117	15.6	60.0	40003	4	US-09-949-016-16265	Sequence 16265, A	c 190	15.4	59.2	1419	3	US-08-874-102-56	Sequence 56, Appl
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c 120	15.6	60.0	95122	4	US-09-949-016-17235	Sequence 17235, A	c 193	15.4	59.2	1472	3	US-08-781-420-10	Sequence 10, Appl
c 121	15.6	60.0	162450	3	US-09-345-882-1	Sequence 1, Appl	c 194	15.4	59.2	1472	3	US-08-874-102-12	Sequence 12, Appl
c 122	15.6	60.0	187580	4	US-09-949-016-13266	Sequence 13266, A	c 195	15.4	59.2	1472	3	US-08-874-102-12	Sequence 12, Appl
c 123	15.6	60.0	346112	4	US-09-949-016-13165	Sequence 13165, A	c 196	15.4	59.2	1472	3	US-08-006-595A-10	Sequence 10, Appl
c 124	15.4	59.2	189	4	US-09-543-681A-128	Sequence 128, App	c 197	15.4	59.2	1472	3	US-09-006-595A-12	Sequence 12, Appl
c 125	15.4	59.2	201	4	US-09-248-796A-10330	Sequence 10330, A	c 198	15.4	59.2	1472	3	US-08-984-919A-49	Sequence 49, Appl
c 126	15.4	59.2	270	4	US-09-489-039A-4111	Sequence 4111, Ap	c 199	15.4	59.2	1488	3	US-08-984-919A-50	Sequence 50, Appl
c 127	15.4	59.2	410	3	US-08-604-991-11	Sequence 11, Appl	c 200	15.4	59.2	1488	3	US-08-984-919A-48	Sequence 48, Appl
c 128	15.4	59.2	410	3	US-09-363-639-11	Sequence 11, Appl	c 201	15.4	59.2	1494	3	US-08-874-102-49	Sequence 49, Appl
c 129	15.4	59.2	444	1	US-08-264-003B-1	Sequence 1, Appl	c 202	15.4	59.2	1494	3	US-08-874-102-50	Sequence 50, Appl
c 130	15.4	59.2	444	3	US-08-842-234-1	Sequence 1, Appl	c 203	15.4	59.2	1560	4	US-08-328-352-342	Sequence 342, App
c 131	15.4	59.2	480	4	US-09-248-796A-14045	Sequence 14045, A	c 204	15.4	59.2	1583	4	US-09-620-312D-974	Sequence 974, App
c 132	15.4	59.2	491	4	US-09-389-681-203	Sequence 203, App	c 205	15.4	59.2	1668	4	US-09-540-236-545	Sequence 545, App
c 133	15.4	59.2	491	4	US-09-620-405B-203	Sequence 203, App	c 206	15.4	59.2	1696	4	US-09-963-137-174	Sequence 174, App
c 134	15.4	59.2	491	4	US-09-339-338-203	Sequence 203, App	c 207	15.4	59.2	1875	3	US-08-984-919A-46	Sequence 46, Appl
c 135	15.4	59.2	491	4	US-09-433-826B-203	Sequence 203, App	c 208	15.4	59.2	1881	3	US-08-984-919A-48	Sequence 48, Appl
c 136	15.4	59.2	491	4	US-09-604-287A-203	Sequence 203, App	c 209	15.4	59.2	1881	3	US-08-874-102-46	Sequence 46, Appl
c 137	15.4	59.2	491	4	US-09-834-759-203	Sequence 203, App	c 210	15.4	59.2	1881	3	US-08-874-102-48	Sequence 48, Appl
c 138	15.4	59.2	491	4	US-09-590-751A-203	Sequence 203, App	c 211	15.4	59.2	1972	4	US-09-774-528-282	Sequence 282, App
c 139	15.4	59.2	491	4	US-09-551-621-203	Sequence 203, App	c 212	15.4	59.2	2699	4	US-09-828-303-13	Sequence 13, Appl
c 140	15.4	59.2	554	4	US-09-949-016-4385	Sequence 4385, Ap	c 213	15.4	59.2	19269	4	US-09-902-540-1175	Sequence 1175, Ap
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c 143	15.4	59.2	576	2	US-08-766-677-1	Sequence 1, Appl	c 216	15.4	59.2	42242	4	US-09-596-002-22	Sequence 22, A
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c 145	15.4	59.2	601	4	US-09-949-016-38921	Sequence 38921, A	c 218	15.4	59.2	57914	4	US-09-949-016-11935	Sequence 11935, A
c 146	15.4	59.2	601	4	US-09-949-016-38922	Sequence 38922, A	c 219	15.4	59.2	57936	4	US-09-949-016-16921	Sequence 16921, A
c 147	15.4	59.2	601	4	US-09-949-016-57582	Sequence 57582, A	c 220	15.4	59.2	68173	4	US-09-949-016-14046	Sequence 14046, A
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c 149	15.4	59.2	601	4	US-09-949-016-205251	Sequence 205251, A	c 222	15.4	59.2	90050	3	US-08-245-041-5	Sequence 5, Appl
c 150	15.4	59.2	653	3	US-08-998-416-264	Sequence 264, App	c 223	15.4	59.2	90050	4	US-09-358-055B-5	Sequence 5, Appl
c 151	15.4	59.2	675	3	US-08-998-416-179	Sequence 179, App	c 224	15.4	59.2	99370	4	US-09-893-238-5	Sequence 5, Appl
c 152	15.4	59.2	676	3	US-08-998-416-280	Sequence 280, App	c 225	15.4	59.2	99370	4	US-09-949-016-12816	Sequence 12816, A
c 153	15.4	59.2	685	3	US-08-998-416-951	Sequence 951, App	c 226	15.4	59.2	99370	4	US-09-949-016-17540	Sequence 17540, A
c 154	15.4	59.2	705	3	US-08-781-420-8	Sequence 8, Appl	c 227	15.4	59.2	100863	4	US-09-949-016-17031	Sequence 17031, A
c 155	15.4	59.2	705	3	US-08-781-420-9	Sequence 9, Appl	c 228	15.4	59.2	103934	4	US-09-949-016-14433	Sequence 14433, A
c 156	15.4	59.2	705	3	US-08-874-102-9	Sequence 9, Appl	c 229	15.4	59.2	105189	4	US-09-949-016-13029	Sequence 13029, A
c 157	15.4	59.2	705	3	US-08-874-102-9	Sequence 9, Appl	c 230	15.4	59.2	121545	4	US-09-949-016-13875	Sequence 13875, A
c 158	15.4	59.2	705	3	US-08-984-919A-8	Sequence 8, Appl	c 231	15.4	59.2	422592	4	US-09-949-016-14182	Sequence 14182, A
c 159	15.4	59.2	705	3	US-08-984-919A-9	Sequence 9, Appl	c 232	15.2	58.5	185	4	US-09-513-999C-29819	Sequence 29819, A
c 160	15.4	59.2	705	3	US-09-006-595A-8	Sequence 8, Appl	c 233	15.2	58.5	601	4	US-09-949-016-161893	Sequence 161893, A
c 161	15.4	59.2	705	3	US-09-006-595A-9	Sequence 9, Appl	c 234	15.2	58.5	1660	4	US-09-270-767-13008	Sequence 13008, A
c 162	15.4	59.2	707	3	US-08-781-420-5	Sequence 5, Appl	c 235	15.2	58.5	1660	4	US-09-270-767-13008	Sequence 13008, A
c 163	15.4	59.2	707	3	US-08-781-420-7	Sequence 7, Appl	c 236	15.2	58.5	2109	4	US-09-328-352-63	Sequence 63, Appl
c 164	15.4	59.2	707	3	US-08-874-102-5	Sequence 5, Appl	c 237	15.2	58.5	2423	4	US-09-949-016-2640	Sequence 2640, Ap
c 165	15.4	59.2	707	3	US-08-874-102-7	Sequence 7, Appl	c 238	15.2	58.5	3388	3	US-09-949-016-5413	Sequence 5413, Ap
c 166	15.4	59.2	707	3	US-08-984-919A-5	Sequence 5, Appl	c 239	15.2	58.5	3396	4	US-08-989-299-1	Sequence 1, Appl
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c 169	15.4	59.2	707	3	US-09-006-595A-7	Sequence 7, Appl	c 242	15.2	58.5	4437	3	US-08-559-303B-72	Sequence 72, Appl
c 170	15.4	59.2	810	4	US-09-543-681A-2334	Sequence 2334, Ap	c 243	15.2	58.5	4437	3	US-09-175-828-72	Sequence 72, Appl
c 171	15.4	59.2	1000	4	US-09-671-317-469	Sequence 469, App	c 244	15.2	58.5	4437	4	US-09-798-096-3	Sequence 3, Appl
c 172	15.4	59.2	1000	4	US-09-671-317-484	Sequence 484, App	c 245	15.2	58.5	4437	4	US-09-753-143-72	Sequence 72, Appl
c 173	15.4	59.2	1101	3	US-08-984-919A-13	Sequence 13, Appl	c 246	15.2	58.5	6798	4	US-09-949-016-13819	Sequence 13819, A

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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 11.1533 Seconds  
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Perfect score: 26

Sequence: 1 tgccataatactcgaactcagtagga 26

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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C 4	26	100.0	8012	3	US-09-182-117-1
C 5	26	100.0	8012	4	US-09-434-039A-1
C 6	26	100.0	8418	3	US-09-182-117-5
C 7	26	100.0	8418	4	US-09-434-039A-5
C 8	26	100.0	8798	3	US-09-182-117-4
C 9	26	100.0	8798	4	US-09-434-039A-4
C 10	26	100.0	10846	3	US-09-098-219B-5
C 11	26	100.0	10846	4	US-10-164-204-5
C 12	26	100.0	10846	4	US-09-923-109-5
C 13	26	100.0	10900	3	US-09-098-219B-6
C 14	26	100.0	10900	4	US-10-164-204-6
C 15	26	100.0	10900	4	US-09-923-109-6
C 16	26	100.0	12614	4	US-09-577-424-1
C 17	22.8	87.7	11522	4	US-10-052-092-19
C 18	18.6	71.5	175236	4	US-09-949-016-14353
C 19	17.6	67.7	41318	4	US-09-949-016-16225
C 20	17.2	66.2	1630	3	US-09-615-192A-107
C 21	17.2	66.2	1630	4	US-09-169-789-107
C 22	17.2	66.2	2096	4	US-09-598-401C-60
C 23	17.2	66.2	3070	4	US-09-598-401C-113
C 24	17.2	66.2	7573	1	US-08-287-959-2
C 25	17.2	66.2	7573	4	US-09-949-016-556
C 26	17.2	66.2	7644	4	US-09-949-016-3574
C 27	17.2	66.2	94095	4	US-09-949-016-14389

C 28	17.2	66.2	115963	4	US-09-949-016-12298	Sequence 12298, A
C 29	17.2	66.2	144322	4	US-09-949-016-15316	Sequence 15316, A
C 30	17	65.4	601	4	US-09-949-016-143667	Sequence 143667, A
C 31	17	65.4	33712	4	US-09-949-016-15793	Sequence 15793, A
C 32	17	65.4	130563	4	US-09-949-016-12273	Sequence 12273, A
C 33	17	65.4	131379	4	US-09-949-016-16050	Sequence 16050, A
C 34	17	65.4	174029	4	US-09-949-016-12610	Sequence 12610, A
C 35	17	65.4	174030	4	US-09-949-016-13880	Sequence 13880, A
C 36	17	65.4	193169	4	US-09-949-016-15091	Sequence 15091, A
C 37	16.8	64.6	169998	3	US-09-676-610B-24	Sequence 24, Appl
C 38	16.8	64.6	197496	4	US-09-877-177A-10	Sequence 10, Appl
C 39	16.6	63.8	601	4	US-09-949-016-31157	Sequence 31157, A
C 40	16.6	63.8	601	4	US-09-949-016-31158	Sequence 31158, A
C 41	16.6	63.8	601	4	US-09-949-016-61477	Sequence 61477, A
C 42	16.6	63.8	601	4	US-09-949-016-61478	Sequence 61478, A
C 43	16.6	63.8	49378	4	US-09-949-016-13408	Sequence 13408, A
C 44	16.6	63.8	82178	4	US-09-949-016-13394	Sequence 13394, A
C 45	16.6	63.8	206433	4	US-09-949-016-13527	Sequence 13527, A
C 46	16.6	63.8	254778	4	US-09-949-016-12417	Sequence 12417, A
C 47	16.6	63.8	340380	4	US-09-949-016-14179	Sequence 14179, A
C 48	16.6	63.8	1230025	4	US-09-198-452A-1	Sequence 1, Appl
C 49	16.6	63.8	1230230	4	US-09-438-185A-1	Sequence 1, Appl
C 50	16.6	63.8	1830121	4	US-09-557-884-1	Sequence 1, Appl
C 51	16.6	63.8	1830121	4	US-09-557-884-1	Sequence 1, Appl
C 52	16.6	63.8	1830121	4	US-09-643-990A-1	Sequence 1, Appl
C 53	16.6	63.8	1830121	4	US-09-643-990A-1	Sequence 1, Appl
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C 55	16.4	63.1	601	4	US-09-949-016-116829	Sequence 116829, A
C 56	16.4	63.1	990	4	US-09-248-796A-2160	Sequence 2160, Ap
C 57	16.4	63.1	1850	4	US-09-566-921-129	Sequence 129, App
C 58	16.4	63.1	2282	1	US-08-055-797-1	Sequence 1, Appl
C 59	16.4	63.1	2282	1	US-07-914-284A-6	Sequence 6, Appl
C 60	16.4	63.1	2378	3	US-09-221-017B-909	Sequence 909, App
C 61	16.4	63.1	2463	4	US-09-248-796A-952	Sequence 952, App
C 62	16.4	63.1	2655	4	US-09-963-137-139	Sequence 139, App
C 63	16.4	63.1	2655	4	US-09-963-137-183	Sequence 183, App
C 64	16.4	63.1	44836	4	US-09-949-016-14867	Sequence 14867, A
C 65	16.4	63.1	168174	4	US-10-071-411A-3	Sequence 3, Appl
C 66	16.4	63.1	168273	4	US-10-071-411A-2	Sequence 2, Appl
C 67	16.4	63.1	246444	4	US-09-949-016-13113	Sequence 13113, A
C 68	16.4	63.1	325034	4	US-09-949-016-14957	Sequence 14957, A
C 69	16.4	63.1	389504	4	US-09-949-016-11774	Sequence 11774, A
C 70	16.2	62.3	426	3	US-09-248-796A-3792	Sequence 3792, Ap
C 71	16.2	62.3	8114	3	US-09-453-702B-29	Sequence 29, Appl
C 72	16	61.5	471	3	US-09-397-787-167	Sequence 167, App
C 73	16	61.5	1071	3	US-09-397-787-159	Sequence 159, App
C 74	16	61.5	1937	3	US-09-647-143-1	Sequence 1, Appl
C 75	16	61.5	1994	2	US-08-933-750C-58	Sequence 58, Appl
C 76	16	61.5	1594	3	US-09-234-613-58	Sequence 58, Appl
C 77	16	61.5	15384	4	US-09-949-016-11813	Sequence 11813, A
C 78	16	61.5	15413	4	US-09-949-016-16143	Sequence 16143, A
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C 84	15.8	60.8	601	4	US-09-949-016-165610	Sequence 165610, A
C 85	15.8	60.8	601	4	US-09-949-016-175255	Sequence 175255, A
C 86	15.8	60.8	1713	4	US-09-248-796A-6813	Sequence 6813, Ap
C 87	15.8	60.8	15849	4	US-09-054-272-50	Sequence 50, Appl
C 88	15.8	60.8	17628	4	US-09-949-016-16718	Sequence 16718, A
C 89	15.8	60.8	107679	4	US-09-949-016-16409	Sequence 16409, A
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C 91	15.6	60.0	601	4	US-09-949-016-20192	Sequence 20192, A
C 92	15.6	60.0	601	4	US-09-949-016-20272	Sequence 20272, A
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c 83	16.6	63.8	641	21	US-10-956-157-4936	Sequence 4936, Ap	c 156	16.4	63.1	3233	14	US-10-176-918-81	Sequence 81, Appl
c 84	16.6	63.8	641	21	US-10-956-157-10171	Sequence 10171, A	c 157	16.4	63.1	3233	14	US-10-176-921-81	Sequence 81, Appl
c 85	16.6	63.8	1017	17	US-10-282-122A-12682	Sequence 12682, A	c 158	16.4	63.1	3233	14	US-10-137-865-81	Sequence 81, Appl
c 86	16.6	63.8	1177	19	US-10-437-963-12093	Sequence 12093, A	c 159	16.4	63.1	3233	14	US-10-140-474-81	Sequence 81, Appl
c 87	16.6	63.8	1253	15	US-10-128-714-6327	Sequence 6327, Ap	c 160	16.4	63.1	3233	14	US-10-142-431-81	Sequence 81, Appl
c 88	16.6	63.8	2349	19	US-10-437-963-12091	Sequence 12091, A	c 161	16.4	63.1	3233	14	US-10-143-114-81	Sequence 81, Appl
c 89	16.6	63.8	2999	15	US-10-128-714-327	Sequence 327, App	c 162	16.4	63.1	3233	14	US-10-142-419-81	Sequence 81, Appl
c 90	16.6	63.8	3253	15	US-10-128-714-5327	Sequence 5327, Ap	c 163	16.4	63.1	3233	14	US-10-123-262-81	Sequence 81, Appl
c 91	16.6	63.8	4260	11	US-09-984-429-417	Sequence 417, App	c 164	16.4	63.1	3233	14	US-10-142-423-81	Sequence 81, Appl
c 92	16.6	63.8	4261	11	US-09-984-429-417	Sequence 417, App	c 165	16.4	63.1	3233	14	US-10-121-050-81	Sequence 81, Appl
c 93	16.6	63.8	6245	21	US-10-741-600-79	Sequence 79, Appl	c 166	16.4	63.1	3233	14	US-10-141-755-81	Sequence 81, Appl
c 94	16.6	63.8	6797	21	US-10-741-600-79	Sequence 79, Appl	c 167	16.4	63.1	3233	14	US-10-143-032-81	Sequence 81, Appl
c 95	16.6	63.8	7384	15	US-10-311-455-719	Sequence 719, App	c 168	16.4	63.1	3233	14	US-10-123-108-81	Sequence 81, Appl
c 96	16.6	63.8	31766	9	US-09-765-344-5	Sequence 5, Appli	c 169	16.4	63.1	3233	14	US-10-123-236-81	Sequence 81, Appl
c 97	16.6	63.8	31766	14	US-10-288-478-5	Sequence 5, Appli	c 170	16.4	63.1	3233	14	US-10-123-261-81	Sequence 81, Appl
c 98	16.6	63.8	4268	19	US-10-741-601-5615	Sequence 5615, Ap	c 171	16.4	63.1	3233	14	US-10-140-921-81	Sequence 81, Appl
c 99	16.6	63.8	4268	21	US-10-741-600-17564	Sequence 17564, A	c 172	16.4	63.1	3233	14	US-10-140-928-81	Sequence 81, Appl
c 100	16.6	63.8	56698	21	US-10-741-600-17583	Sequence 17583, A	c 173	16.4	63.1	3233	14	US-10-121-045-81	Sequence 81, Appl
c 101	16.6	63.8	96589	11	US-09-997-722-220	Sequence 220, App	c 174	16.4	63.1	3233	14	US-10-123-292-81	Sequence 81, Appl
c 102	16.6	63.8	104900	21	US-10-461-862-64	Sequence 64, Appl	c 175	16.4	63.1	3233	14	US-10-123-903-81	Sequence 81, Appl
c 103	16.6	63.8	138434	21	US-10-741-600-17767	Sequence 17767, A	c 176	16.4	63.1	3233	14	US-10-124-819-81	Sequence 81, Appl
c 104	16.6	63.8	212231	13	US-10-087-192-1126	Sequence 1126, Ap	c 177	16.4	63.1	3233	14	US-10-124-822-81	Sequence 81, Appl
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c 107	16.6	63.8	398287	21	US-10-741-600-17839	Sequence 17839, A	c 180	16.4	63.1	3233	14	US-10-124-824-81	Sequence 81, Appl
c 108	16.6	63.8	1230025	17	US-10-289-762-1	Sequence 1, Appli	c 181	16.4	63.1	3233	14	US-10-127-829A-81	Sequence 81, Appl
c 109	16.6	63.8	1830121	17	US-10-329-670-1	Sequence 1, Appli	c 182	16.4	63.1	3233	14	US-10-127-829A-81	Sequence 81, Appl
c 110	16.6	63.8	1830121	17	US-10-329-670-1	Sequence 1, Appli	c 183	16.4	63.1	3233	14	US-10-127-835A-81	Sequence 81, Appl
c 111	16.6	63.8	1830121	20	US-10-158-865-1	Sequence 1, Appli	c 184	16.4	63.1	3233	14	US-10-127-839A-81	Sequence 81, Appl
c 112	16.6	63.8	1830121	20	US-10-158-865-1	Sequence 1, Appli	c 185	16.4	63.1	3233	14	US-10-127-901A-81	Sequence 81, Appl
c 113	16.6	63.8	1830121	22	US-10-981-687-1	Sequence 1, Appli	c 186	16.4	63.1	3233	14	US-10-128-693A-81	Sequence 81, Appl
c 114	16.6	63.8	1830121	22	US-10-981-687-1	Sequence 1, Appli	c 187	16.4	63.1	3233	14	US-10-131-813A-81	Sequence 81, Appl
c 115	16.4	63.1	134	18	US-10-424-599-33811	Sequence 33811, A	c 188	16.4	63.1	3233	14	US-10-131-818A-81	Sequence 81, Appl
c 116	16.4	63.1	201	20	US-09-719-993-15570	Sequence 15570, A	c 189	16.4	63.1	3233	14	US-10-131-823A-81	Sequence 81, Appl
c 117	16.4	63.1	224	10	US-09-814-353-431	Sequence 431, App	c 190	16.4	63.1	3233	14	US-10-131-824A-81	Sequence 81, Appl
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c 126	16.4	63.1	685	13	US-10-027-632-292486	Sequence 292486	c 199	16.4	63.1	3233	14	US-10-147-527-81	Sequence 81, Appl
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c 128	16.4	63.1	711	19	US-10-767-795-435	Sequence 435, App	c 201	16.4	63.1	3233	14	US-10-121-043-81	Sequence 81, Appl
c 129	16.4	63.1	734	18	US-10-424-599-56142	Sequence 56142, A	c 202	16.4	63.1	3233	14	US-10-121-047-81	Sequence 81, Appl
c 130	16.4	63.1	876	17	US-10-369-493-45966	Sequence 45966, A	c 203	16.4	63.1	3233	14	US-10-123-215-81	Sequence 81, Appl
c 131	16.4	63.1	933	13	US-10-027-632-162183	Sequence 162183	c 204	16.4	63.1	3233	14	US-10-123-902-81	Sequence 81, Appl
c 132	16.4	63.1	933	17	US-10-027-632-162183	Sequence 162183	c 205	16.4	63.1	3233	14	US-10-123-908-81	Sequence 81, Appl
c 133	16.4	63.1	979	18	US-10-424-599-55408	Sequence 55408, A	c 206	16.4	63.1	3233	14	US-10-123-909-81	Sequence 81, Appl
c 134	16.4	63.1	1036	17	US-10-310-154-244	Sequence 244, App	c 207	16.4	63.1	3233	14	US-10-123-910-81	Sequence 81, Appl
c 135	16.4	63.1	1125	21	US-10-732-923-326	Sequence 326, App	c 208	16.4	63.1	3233	14	US-10-124-813-81	Sequence 81, Appl
c 136	16.4	63.1	1125	19	US-10-767-701-6644	Sequence 6644, Ap	c 209	16.4	63.1	3233	14	US-10-124-817-81	Sequence 81, Appl
c 137	16.4	63.1	1400	21	US-10-956-157-7539	Sequence 7539, Ap	c 210	16.4	63.1	3233	14	US-10-125-922-81	Sequence 81, Appl
c 138	16.4	63.1	1541	18	US-10-424-599-58367	Sequence 58367, A	c 211	16.4	63.1	3233	14	US-10-125-924-81	Sequence 81, Appl
c 139	16.4	63.1	1777	17	US-10-108-260A-1919	Sequence 1919, Ap	c 212	16.4	63.1	3233	14	US-10-140-860-81	Sequence 81, Appl
c 140	16.4	63.1	1846	19	US-10-765-700-129	Sequence 55584, A	c 213	16.4	63.1	3233	14	US-10-142-417-81	Sequence 81, Appl
c 141	16.4	63.1	1850	22	US-10-765-700-129	Sequence 129, App	c 214	16.4	63.1	3233	14	US-10-147-519-81	Sequence 81, Appl
c 142	16.4	63.1	1930	20	US-10-739-930-5345	Sequence 5345, Ap	c 215	16.4	63.1	3233	14	US-10-157-782-81	Sequence 81, Appl
c 143	16.4	63.1	2003	20	US-10-425-115-184530	Sequence 184530	c 216	16.4	63.1	3233	14	US-10-152-395-81	Sequence 81, Appl
c 144	16.4	63.1	2127	17	US-10-264-237-389	Sequence 389, App	c 217	16.4	63.1	3233	14	US-10-125-926A-81	Sequence 81, Appl
c 145	16.4	63.1	2180	18	US-10-424-599-44038	Sequence 44038, A	c 218	16.4	63.1	3233	14	US-10-125-930A-81	Sequence 81, Appl
c 146	16.4	63.1	2185	17	US-10-094-749-303	Sequence 303, App	c 219	16.4	63.1	3233	14	US-10-127-831A-81	Sequence 81, Appl
c 147	16.4	63.1	2378	13	US-10-194-163-909	Sequence 909, App	c 220	16.4	63.1	3233	14	US-10-127-837A-81	Sequence 81, Appl
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c 149	16.4	63.1	2655	10	US-09-963-131-183	Sequence 183, App	c 222	16.4	63.1	3233	14	US-10-127-842A-81	Sequence 81, Appl
c 150	16.4	63.1	3233	14	US-10-028-072-81	Sequence 81, Appl	c 223	16.4	63.1	3233	14	US-10-127-843A-81	Sequence 81, Appl
c 151	16.4	63.1	3233	14	US-10-140-808-81	Sequence 81, Appl	c 224	16.4	63.1	3233	14	US-10-127-845A-81	Sequence 81, Appl
c 152	16.4	63.1	3233	14	US-10-121-049-81	Sequence 81, Appl	c 225	16.4	63.1	3233	14	US-10-127-846A-81	Sequence 81, Appl
c 153	16.4	63.1	3233	14	US-10-123-904-81	Sequence 81, Appl	c 226	16.4	63.1	3233	14	US-10-127-848A-81	Sequence 81, Appl

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22: /cgn2\_6/ptodata/1/pubpna/US10\_NEW\_PUB.seq:\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	26	100.0	26	13	US-10-024-632-21
2	26	100.0	632	14	US-10-015-637-7
3	26	100.0	1998	22	US-10-477-240-8
4	26	100.0	7129	13	US-10-047-542-101
5	26	100.0	10846	9	US-09-923-109-5
6	26	100.0	10846	15	US-10-164-204-5
7	26	100.0	10846	18	US-10-705-430-5

Sequence 6, Appli	10900	100.0	26	9	US-09-923-109-6	Sequence 6, Appli
Sequence 6, Appli	10900	100.0	26	15	US-10-164-204-6	Sequence 6, Appli
Sequence 6, Appli	10900	100.0	26	18	US-10-705-430-6	Sequence 6, Appli
Sequence 9, Appli	11606	100.0	26	19	US-10-602-475A-9	Sequence 9, Appli
Sequence 5, Appli	12304	100.0	26	21	US-10-473-945-5	Sequence 5, Appli
Sequence 4, Appli	12497	100.0	26	21	US-10-473-945-4	Sequence 4, Appli
Sequence 101, App	93.8	93.8	24.4	17	US-10-225-068-101	Sequence 101, App
Sequence 93, Appl	1008	93.8	24.4	17	US-10-374-780A-93	Sequence 93, Appl
Sequence 309, App	1008	93.8	24.4	18	US-10-412-699B-309	Sequence 309, App
Sequence 101, App	1008	93.8	24.4	21	US-10-225-068-101	Sequence 101, App
Sequence 6, Appli	3706	93.8	24.4	19	US-10-376-763A-6	Sequence 6, Appli
Sequence 5, Appli	3778	93.8	24.4	19	US-10-376-763A-5	Sequence 5, Appli
Sequence 19, Appl	11522	87.7	22.8	14	US-10-052-092-19	Sequence 19, Appl
Sequence 19, Appl	11522	87.7	22.8	16	US-10-437-107-19	Sequence 19, Appl
Sequence 19, Appl	11522	87.7	22.8	20	US-10-896-419-19	Sequence 19, Appl
Sequence 16236, A	201	70.0	18.2	19	US-10-741-601-16236	Sequence 16236, A
Sequence 45647, A	201	70.0	18.2	21	US-10-741-600-45647	Sequence 45647, A
Sequence 5757, Ap	20678	70.0	18.2	19	US-10-741-601-5757	Sequence 5757, Ap
Sequence 17694, A	20678	70.0	18.2	21	US-10-741-600-17694	Sequence 17694, A
Sequence 114, App	28678	70.0	18.2	21	US-10-461-862-114	Sequence 114, App
Sequence 5665, Ap	86131	70.0	18.2	19	US-10-741-601-5665	Sequence 5665, Ap
Sequence 17695, A	86131	70.0	18.2	21	US-10-741-600-17695	Sequence 17695, A
Sequence 25666, A	579	69.2	18	17	US-10-369-493-25666	Sequence 25666, A
Sequence 4507, Ap	1577	69.2	31	20	US-10-739-930-4507	Sequence 4507, Ap
Sequence 12795, A	596	68.5	32	9	US-09-864-761-12795	Sequence 12795, A
Sequence 235883,	654	67.7	33	13	US-10-027-632-235883	Sequence 235883,
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Sequence 163017,	759	67.7	35	13	US-10-027-632-163017	Sequence 163017,
Sequence 163017,	759	67.7	36	17	US-10-027-632-163017	Sequence 163017,
Sequence 136779,	1394	67.7	37	18	US-10-424-599-136779	Sequence 136779,
Sequence 38, Appl	29	66.9	38	15	US-10-136-444-38	Sequence 38, Appl
Sequence 34, Appl	758	66.9	39	20	US-10-333-872A-34	Sequence 34, Appl
Sequence 9052, Ap	1146	66.2	40	13	US-10-027-632-9052	Sequence 9052, Ap
Sequence 9052, Ap	1146	66.2	41	17	US-10-027-632-9052	Sequence 9052, Ap
Sequence 107, App	1630	66.2	42	15	US-10-174-693-107	Sequence 107, App
Sequence 60, Appl	2096	66.2	43	15	US-10-137-036-60	Sequence 60, Appl
Sequence 113, App	3070	66.2	45	17	US-10-137-036-113	Sequence 113, App
Sequence 113, App	3070	66.2	46	17	US-10-702-319A-113	Sequence 113, App
Sequence 18, Appl	4374	66.2	47	17	US-10-034-650-18	Sequence 18, Appl
Sequence 22, Appl	4974	66.2	48	21	US-10-826-909-37	Sequence 22, Appl
Sequence 4098, Ap	5239	66.2	49	9	US-09-909-147-22	Sequence 4098, Ap
Sequence 2195, Ap	6380	66.2	50	17	US-10-956-157-4098	Sequence 2195, Ap
Sequence 17, Appl	7573	66.2	51	9	US-09-880-107-2195	Sequence 17, Appl
Sequence 183, App	7573	66.2	52	17	US-10-034-650-17	Sequence 183, App
Sequence 1136, Ap	7573	66.2	53	19	US-10-775-169-183	Sequence 1136, Ap
Sequence 10420, A	7573	66.2	54	21	US-10-956-157-1136	Sequence 10420, A
Sequence 264815,	7634	66.2	55	14	US-10-198-846-10420	Sequence 264815,
Sequence 2671, Ap	709	65.4	56	17	US-10-027-632-264815	Sequence 2671, Ap
Sequence 2672, Ap	709	65.4	57	17	US-10-027-632-264815	Sequence 2672, Ap
Sequence 2673, Ap	990	65.4	58	18	US-10-335-977-2671	Sequence 2673, Ap
Sequence 108, App	1062	65.4	59	18	US-10-335-977-2672	Sequence 108, App
Sequence 108, App	1092	65.4	60	17	US-10-335-977-2673	Sequence 108, App
Sequence 108, App	1672	65.4	61	17	US-10-172-118-108	Sequence 108, App
Sequence 43, Appl	1672	65.4	62	18	US-10-342-887-108	Sequence 43, Appl
Sequence 47, Appl	2746	65.4	63	21	US-10-871-304-43	Sequence 47, Appl
Sequence 47, Appl	2746	65.4	64	21	US-10-871-304-47	Sequence 47, Appl
Sequence 47, Appl	3328	65.4	65	21	US-10-871-304-42	Sequence 47, Appl
Sequence 174454,	127567	65.4	66	22	US-10-737-082-47	Sequence 174454,
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Sequence 174455,	490	64.6	71	17	US-10-027-632-174455	Sequence 174455,
Sequence 131780,	536	64.6	72	13	US-10-027-632-131780	Sequence 131780,
Sequence 12485, A	536	64.6	73	17	US-10-027-632-131780	Sequence 12485, A
Sequence 24, Appl	635	64.6	74	18	US-10-424-599-12485	Sequence 24, Appl
Sequence 10, Appl	635	64.6	75	18	US-10-380-931-24	Sequence 10, Appl
Sequence 10, Appl	169998	64.6	76	17	US-09-877-177-10	Sequence 10, Appl
Sequence 74, Appl	197496	64.6	77	16.8	US-10-426-836-10	Sequence 74, Appl
Sequence 115692,	197496	64.6	78	16.8	US-10-461-862-74	Sequence 115692,
Sequence 19, Appl	209083	64.6	79	25	US-10-956-157-115692	Sequence 19, Appl
Sequence 19, Appl	375	63.8	80	14	US-10-083-357-19	Sequence 19, Appl

93	18.6	71.5	2201	3	AF082992	Molgula o	AF082992	Molgula o	18.2	70.0	275980	2	AC111446	AC111446	Rattus no
C 94	18.6	71.5	17941	10	AB074009	Mus muscu	AB074009	Mus muscu	18.2	70.0	288255	2	AC120070	AC120070	Rattus no
C 95	18.6	71.5	22251	9	AL592184	Human DNA	AL592184	Human DNA	18.2	70.0	303189	2	AC108728	AC108728	Homo sapi
C 96	18.6	71.5	83701	9	AP006298	Homo sapi	AP006298	Homo sapi	18.2	70.0	312853	2	AC118393	AC118393	Rattus no
C 97	18.6	71.5	100000	9	AB020870	Homo sapi	AB020870	Homo sapi	18.2	70.0	312965	2	AC097978	AC097978	Rattus no
C 98	18.6	71.5	100000	9	AB020870	Homo sapi	AB020870	Homo sapi	18.2	70.0	328050	1	AP005275	AP005275	Corynebac
C 99	18.6	71.5	117543	9	AC025447	Homo sapi	AC025447	Homo sapi	18.2	70.0	349887	1	EX927149	EX927149	Corynebac
C 100	18.6	71.5	141898	9	AL7144001	Human DNA	AL7144001	Human DNA	18.2	70.0	349980	6	AX127144	AX127144	Sequence
C 101	18.6	71.5	145206	9	AC096850	Pan trogl	AC096850	Pan trogl	18.2	70.0	349980	6	AX127145	AX127145	Sequence
C 102	18.6	71.5	148598	9	HSB451C14	Human DNA	AL121875	Human DNA	18	69.2	339	3	HRNA3	AF065000	Hammondia
C 103	18.6	71.5	149307	9	AC010368	Homo sapi	AC010368	Homo sapi	18	69.2	437	3	AF249971	AF249971	Neosporea
C 104	18.6	71.5	153120	9	AC019050	Homo sapi	AC019050	Homo sapi	18	69.2	453	8	TOBRBPC	AF249971	Neosporea
C 105	18.6	71.5	156441	2	AC122106	Rattus no	AC122106	Rattus no	18	69.2	490	11	G73713	G73713	RG3118 etio
C 106	18.6	71.5	158904	5	AC145725	Gasterost	AC145725	Gasterost	18	69.2	526	3	AF249972	AF249972	Neosporea
C 107	18.6	71.5	165923	2	AC150538	Bos tauru	AC150538	Bos tauru	18	69.2	572	3	AF508029	AF508029	Hammondia
C 108	18.6	71.5	167023	2	AC150634	Bos tauru	AC150634	Bos tauru	18	69.2	572	3	AF117687	AF117687	Hammondia
C 109	18.6	71.5	172112	2	AC060822	Homo sapi	AC060822	Homo sapi	18	69.2	574	3	AF516885	AF516885	Hammondia
C 110	18.6	71.5	172555	2	AC150461	Callithri	AC150461	Callithri	18	69.2	581	3	AF076865	AF076865	Toxoplasma
C 111	18.6	71.5	179015	2	AC135839	Bos tauru	AC135839	Bos tauru	18	69.2	582	3	AF076870	AF076870	Hammondia
C 112	18.6	71.5	179169	2	AC092759	Papio anu	AC092759	Papio anu	18	69.2	582	3	AF076871	AF076871	Hammondia
C 113	18.6	71.5	180642	10	AC132335	Mus muscu	AC132335	Mus muscu	18	69.2	582	3	AF432124	AF432124	Neosporea
C 114	18.6	71.5	182445	2	AC132717	Rattus no	AC132717	Rattus no	18	69.2	582	3	AF432125	AF432125	Hammondia
C 115	18.6	71.5	186479	2	AC093186	Papio anu	AC093186	Papio anu	18	69.2	582	3	AF432126	AF432126	Hammondia
C 116	18.6	71.5	190050	2	AC146922	Otolemur	AC146922	Otolemur	18	69.2	582	3	AF487893	AF487893	Hammondia
C 117	18.6	71.5	206903	10	AC112682	Mus muscu	AC112682	Mus muscu	18	69.2	582	3	AF168878	AF168878	Hammondia
C 118	18.6	71.5	225020	10	AL603829	Mouse DNA	AL603829	Mouse DNA	18	69.2	583	3	HYRITS2	AF096502	Hammondia
C 119	18.6	71.5	232629	2	AC131419	Rattus no	AC131419	Rattus no	18	69.2	610	3	AF395866	AF395866	Hammondia
C 120	18.6	71.5	241923	2	AC137656	Bos tauru	AC137656	Bos tauru	18	69.2	720	8	HS4327610	HS4327610	Homo sapi
C 121	18.6	71.5	246928	2	AC123176	Rattus no	AC123176	Rattus no	18	69.2	778	8	TMREBCSD	TMREBCSD	Tomato
C 122	18.6	71.5	245628	2	AL731841	Homo sapi	AL731841	Homo sapi	18	69.2	796	8	NSRUBS1	NSRUBS1	Nicotiana
C 123	18.6	71.5	245628	2	AL731841	Homo sapi	AL731841	Homo sapi	18	69.2	806	8	AY220079	AY220079	Nicotiana
C 124	18.6	71.5	251710	2	AC117065	Rattus no	AC117065	Rattus no	18	69.2	1023	3	AF470541	AF470541	Bolbophor
C 125	18.6	71.5	257603	2	AC129687	Rattus no	AC129687	Rattus no	18	69.2	1023	3	AF470544	AF470544	Bolbophor
C 126	18.6	71.5	264090	2	AC098014	Rattus no	AC098014	Rattus no	18	69.2	1023	3	AF470572	AF470572	Bolbophor
C 127	18.6	71.5	262232	2	AC094326	Rattus no	AC094326	Rattus no	18	69.2	1023	3	AF470575	AF470575	Bolbophor
C 128	18.6	71.5	274560	2	AC099390	Rattus no	AC099390	Rattus no	18	69.2	1023	3	AF470579	AF470579	Bolbophor
C 129	18.6	71.5	311823	2	AC095362	Rattus no	AC095362	Rattus no	18	69.2	1023	3	AF470583	AF470583	Bolbophor
C 130	18.6	71.5	314746	2	AC106421	Rattus no	AC106421	Rattus no	18	69.2	1023	3	AF470587	AF470587	Bolbophor
C 131	18.4	70.8	836	8	AY359682	Peridiniu	AY359682	Peridiniu	18	69.2	1023	3	AF470591	AF470591	Bolbophor
C 132	18.4	70.8	1746	5	AY554172	Oreochrom	AY554172	Oreochrom	18	69.2	1023	3	AF470595	AF470595	Bolbophor
C 133	18.4	70.8	89370	3	AC084153	Caenorhab	AC084153	Caenorhab	18	69.2	1023	3	AF470599	AF470599	Bolbophor
C 134	18.4	70.8	139147	2	AC006725	Caenorhab	AC006725	Caenorhab	18	69.2	1023	3	AF470603	AF470603	Bolbophor
C 135	18.4	70.8	139434	2	CR388387	Danio rer	CR388387	Danio rer	18	69.2	1023	3	AF470607	AF470607	Bolbophor
C 136	18.4	70.8	219621	2	CR391984	Danio rer	CR391984	Danio rer	18	69.2	1023	3	AF470610	AF470610	Bolbophor
C 137	18.4	70.8	228081	2	AC115237	Rattus no	AC115237	Rattus no	18	69.2	1032	8	TMREBCSA	TMREBCSA	Tomato
C 138	18.4	70.8	257817	2	AC006909	Caenorhab	AC006909	Caenorhab	18	69.2	1386	8	STRBCS2C	STRBCS2C	Tomato
C 139	18.2	70.0	1176	6	BD162882	Novel pol	BD162882	Novel pol	18	69.2	1454	8	LERBCS1	LERBCS1	Tomato
C 140	18.2	70.0	1176	6	AX833403	Sequence	AX833403	Sequence	18	69.2	1629	8	STRBCS2	STRBCS2	Tomato
C 141	18.2	70.0	2312	6	AX833403	Sequence	AX833403	Sequence	18	69.2	1703	8	STRBCS2B	STRBCS2B	Tomato
C 142	18.2	70.0	2312	6	AX833403	Sequence	AX833403	Sequence	18	69.2	1764	1	D42078	D42078	Tomato
C 143	18.2	70.0	20312	9	AC095101	Homo sapi	AC095101	Homo sapi	18	69.2	2494	6	C0603263	C0603263	Sequence
C 144	18.2	70.0	4094	6	CQ714181	Sequence	CQ714181	Sequence	18	69.2	3212	3	AF076901	AF076901	Toxoplasma
C 145	18.2	70.0	4956	6	BD085989	Method of	BD085989	Method of	18	69.2	3212	3	AF101077	AF101077	Hammondia
C 146	18.2	70.0	4956	9	AF040990	Homo sapi	AF040990	Homo sapi	18	69.2	3212	3	AF159240	AF159240	Hammondia
C 147	18.2	70.0	5560	9	HSM806585	Homo sapi	HSM806585	Homo sapi	18	69.2	3213	3	AF159240	AF159240	Hammondia
C 148	18.2	70.0	6789	9	HSMDUT11	Human DNA	HSMDUT11	Human DNA	18	69.2	4648	3	TOXRRG	TOXRRG	Toxoplasma
C 149	18.2	70.0	43088	9	AC108719	Homo sapi	AC108719	Homo sapi	18	69.2	5100	2	AC014384	AC014384	Drosophil
C 150	18.2	70.0	43776	2	AC141342	Rattus no	AC141342	Rattus no	18	69.2	5177	9	HSM806974	HSM806974	Homo sapi
C 151	18.2	70.0	107640	2	AC084852	Homo sapi	AC084852	Homo sapi	18	69.2	5890	1	AF537210	AF537210	Staphyloc
C 152	18.2	70.0	136551	9	AC123786	Homo sapi	AC123786	Homo sapi	18	69.2	6934	6	CQ599864	CQ599864	Sequence
C 153	18.2	70.0	146631	9	AC069027	Homo sapi	AC069027	Homo sapi	18	69.2	8350	3	TGDNAPRRA	TGDNAPRRA	Sequence
C 154	18.2	70.0	145085	2	AC090261	Homo sapi	AC090261	Homo sapi	18	69.2	8352	3	TGDNARH	TGDNARH	Sequence
C 155	18.2	70.0	147328	2	AC027755	Homo sapi	AC027755	Homo sapi	18	69.2	8352	3	TGDNASAIL	TGDNASAIL	Sequence
C 156	18.2	70.0	157377	2	AC022827	Homo sapi	AC022827	Homo sapi	18	69.2	10938	6	CQ598883	CQ598883	Sequence
C 157	18.2	70.0	159007	9	AC020658	Homo sapi	AC020658	Homo sapi	18	69.2	15985	3	U61958	U61958	Caenorhabdi
C 158	18.2	70.0	159188	2	AC037432	Homo sapi	AC037432	Homo sapi	18	69.2	18413	2	AC017583	AC017583	Drosophil
C 159	18.2	70.0	162898	2	AC026953	Homo sapi	AC026953	Homo sapi	18	69.2	23914	6	CQ599870	CQ599870	Sequence
C 160	18.2	70.0	167900	2	AP001650	Homo sapi	AP001650	Homo sapi	18	69.2	24263	3	DMC118B3	DMC118B3	Drosophil
C 161	18.2	70.0	176810	2	AC021777	Homo sapi	AC021777	Homo sapi	18	69.2	34461	2	AC138803	AC138803	Homo sapi
C 162	18.2	70.0	186656	9	AP001889	Homo sapi	AP001889	Homo sapi	18	69.2	35653	2	AC139252	AC139252	Homo sapi
C 163	18.2	70.0	191959	2	AC012217	Homo sapi	AC012217	Homo sapi	18	69.2	40597	3	CSC25A1	CSC25A1	Caenorhabdi
C 164	18.2	70.0	194284	5	AL9543329	Zebrafish	AL9543329	Zebrafish	18	69.2	40751	7	AF069308	AF069308	Bacterioph
C 165	18.2	70.0	205903	9	AP000901	Homo sapi	AP000901	Homo sapi	18	69.2	58449	10	AL929218	AL929218	Mouse DNA
C 166	18.2	70.0	275980	2	AC111446	Rattus no	AC111446	Rattus no	18	69.2	67405	2	AC101243	AC101243	Mus muscu



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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 312.549 Seconds  
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4030.848 Million cell updates/sec

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Perfect score: 26

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Scoring table: IDENTITY\_NUC

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

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4: gb\_om.\*

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7: gb\_ph.\*

8: gb\_pl.\*

9: gb\_pr.\*

10: gb\_ro.\*

11: gb\_sts.\*

12: gb\_sy.\*

13: gb\_un.\*

14: gb\_vl.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	26	100.0	26	AX555237	AX555237 Sequence
2	26	100.0	197	I19656	I19656 Sequence 4
3	26	100.0	619	PEARUPA	J01257 Pea (P.sati
4	26	100.0	632	AX463287	AX463287 Sequence
5	26	100.0	645	PEARBCOSS	M21375 Pisum sativ
6	26	100.0	2124	AR014744	AR014744 Sequence
7	26	100.0	2124	AR022680	AR022680 Sequence
8	26	100.0	2351	PSRC01	X00806 Pea gene fo
9	26	100.0	3706	CQ867567	CQ867567 Sequence
10	26	100.0	3778	CQ867566	CQ867566 Sequence
11	26	100.0	8012	AR143709	AR143709 Sequence
12	26	100.0	8012	BD008400	BD008400 Glyphosat
13	26	100.0	8418	AR143713	AR143713 Sequence
14	26	100.0	8418	BD008404	BD008404 Glyphosat
15	26	100.0	8798	AR143712	AR143712 Sequence
16	26	100.0	8798	BD008403	BD008403 Glyphosat
17	26	100.0	10846	AR225313	AR225313 Sequence
18	26	100.0	10846	AR438378	AR438378 Sequence
19	26	100.0	10846	AR491631	AR491631 Sequence

20	26	100.0	10847	6	BD062173	BD062173 Expressio
21	26	100.0	10900	6	AR225314	AR225314 Sequence
22	26	100.0	10900	6	AR438379	AR438379 Sequence
23	26	100.0	10900	6	AR491632	AR491632 Sequence
24	26	100.0	10901	6	BD062174	BD062174 Expressio
25	26	100.0	12614	6	AX052539	AX052539 Sequence
26	24.4	93.8	669	8	PEARBPC	J01256 Pisum sativ
27	24.4	93.8	674	8	PSRBCS3C	M25613 Pisum sativ
28	24.4	93.8	1381	8	PSRBCS3A	X04334 Pea rbcS-3C
29	24.4	93.8	2061	8	PSRBCS3A	X04333 Pea rbcS-3A
30	24.4	93.8	10212	12	AB086434	AB086434 Synthetic
31	24.4	93.8	10856	12	AB086433	AB086433 Synthetic
32	24.4	93.8	11522	12	AF309825	AF309825 Plant exp
33	24.4	93.8	12072	12	AF294981	AF294981 Binary ve
34	24.4	93.8	12942	12	AF294982	AF294982 Binary ve
35	24.4	93.8	14103	12	AF330636	AF330636 Plant DNA
36	24.4	93.8	14203	12	AF294979	AF294979 Binary ve
37	24.4	93.8	14230	12	AF294980	AF294980 Binary ve
38	21.2	81.5	515	8	AF411547	AF411547 Medicago
39	21.2	81.5	732	8	AF056315	AF056315 Medicago
40	21.2	81.5	3180	8	MSRBCSK1A	X96847 M.sativa Rb
41	21.2	81.5	70687	8	AP006376	AP006376 Lotus cor
42	21.2	81.5	110572	8	AC147741	AC147741 Medicago
43	21.2	81.5	112032	2	AC145221	AC145221 Medicago
44	21.2	81.5	235247	2	AC106246	AC106246 Rattus no
45	21.2	81.5	244010	2	AC106231	AC106231 Rattus no
46	19.6	75.4	546	8	POTRBCS	J03613 Potato (S.t
47	19.6	75.4	599	8	TOMRBCSB	M13543 Tomato (L.e
48	19.6	75.4	692	8	SLFRUBPCS	M16888 white camp
49	19.6	75.4	723	8	SLARBCS	L26605 Stellaria l
50	19.6	75.4	729	8	CAR131050	AJ131050 Cicer ari
51	19.6	75.4	742	8	TOMRBCSE	M15236 Tomato RuBP
52	19.6	75.4	1097	8	BT013023	BT013023 Lycopersi
53	19.6	75.4	1598	8	STRBCS3	X69763 S.tuberosum
54	19.6	75.4	2293	8	NPRBCS8B	X13711 Nicotiana p
55	19.6	75.4	2293	8	TOMRBCS8B	M36685 N.plumbagin
56	19.6	75.4	2362	8	NTRUBSS	X02353 Tobacco gen
57	19.6	75.4	2776	8	LERBCS2	X05983 Tomato rbcS
58	19.6	75.4	3323	8	STRBCS1	X69759 S.tuberosum
59	19.6	75.4	219195	2	AC107737	AC107737 Mus muscu
60	19.6	75.4	228384	2	AC115550	AC115550 Rattus no
61	19.6	75.4	232903	5	BX908742	BX908742 Zebrafish
62	19.6	75.4	237781	2	AC097217	AC097217 Rattus no
63	19.6	75.4	349980	6	CQ870192	CQ870192 Sequence
64	19.2	73.8	17021	2	AC020534	AC020534 Drosophil
65	19.2	73.8	24066	6	CQ583526	CQ583526 Sequence
66	19.2	73.8	149920	9	AC093754	AC093754 Homo sapi
67	19.2	73.8	185741	9	AC006203	AC006203 Homo sapi
68	19.2	73.8	188272	3	AC005639	AC005639 Drosophil
69	19.2	73.8	295225	3	AF003461	AF003461 Caenorhab
70	19	73.1	44292	3	AF043706	AF043706 Caenorhab
71	19	73.1	169226	2	AC006913	AC006913 Caenorhab
72	18.8	72.3	167728	2	AC115889	AC115889 Mus muscu
73	18.8	72.3	172997	9	AC117516	AC117516 Homo sapi
74	18.8	72.3	178692	5	AC024594	AC024594 Oryza sat
75	18.8	72.3	182149	5	BX324151	BX324151 Zebrafish
76	18.8	72.3	182862	2	AC137480	AC137480 Rattus no
77	18.8	72.3	188522	2	AC102406	AC102406 Mus muscu
78	18.8	72.3	200446	2	AC125593	AC125593 Rattus no
79	18.8	72.3	219799	10	AC123835	AC123835 Mus muscu
80	18.8	72.3	240506	2	AC097889	AC097889 Rattus no
81	18.8	72.3	300029	8	AF017106	AF017106 Oryza sat
82	18.6	71.5	574	8	AF044396	AF044396 Flaveria
83	18.6	71.5	677	8	AF044397	AF044397 Flaveria
84	18.6	71.5	731	8	FP029937	FP029937 Flaveria pr
85	18.6	71.5	743	8	FP029939	FP029939 Flaveria pr
86	18.6	71.5	746	8	FP029935	FP029935 Flaveria pr
87	18.6	71.5	753	8	FP029936	FP029936 Flaveria pr
88	18.6	71.5	1667	5	CQ745390	CQ745390 Sequence
89	18.6	71.5	1786	5	BC056132	BC056132 Xenopus l
90	18.6	71.5	1990	10	MMU278127	AJ278127 Mus muscu
91	18.6	71.5	1994	10	AB053465	AB053465 Mus muscu
92	18.6	71.5	2107	10	BC018154	BC018154 Mus muscu

c 94	17	65.4	3704	6	ABQ70790	AbQ70790 Listeria	c 167	16.6	63.8	5623	5	AAS79169	Aas79169 DNA encod
c 95	17	65.4	8960	4	AAK69657	Aak69657 Human imm	168	16.6	63.8	5811	8	ABX62899	Abx62899 Human act
c 96	17	65.4	14708	4	ABL13296	Ab113296 Drosophil	c 169	16.6	63.8	6631	12	ADP09631	Adp09631 Rice WMSD
c 97	17	65.4	20486	4	ABL20698	Ab120698 Drosophil	c 170	16.6	63.8	6721	12	ADP09614	Adp09614 Rice WMSD
c 98	17	65.4	34378	11	ACN44940	Acn44940 Mouse gen	c 171	16.6	63.8	12677	4	AAS46236	Aas46236 DNA encod
c 99	17	65.4	37138	10	ADC87688	Adc87688 Human mam	172	16.6	63.8	15929	5	ABA18496	AbA18496 Human ner
c 100	17	65.4	69350	12	ADM98959	Adm98959 Diterpene	173	16.6	63.8	15929	5	ABA19020	AbA19020 Human ner
c 101	17	65.4	83120	9	AAL57571	Aal57571 Human CGI	174	16.6	63.8	15964	5	ABA19021	AbA19021 Human ner
c 102	17	65.4	83290	6	AAL22283	Aal22283 BAC conta	175	16.6	63.8	15964	5	ABA18497	AbA18497 Human ner
c 103	17	65.4	90220	6	ABK83576	Abk83576 Human CDN	c 176	16.6	63.8	28763	6	ABS78943	AbS78943 E. coli C
c 104	17	65.4	90336	3	RAF22289	Raf22289 BAC conta	c 177	16.6	63.8	28763	10	ADH80510	Adh80510 Escherich
c 105	17	65.4	100000	6	ABQ74541	Abq74541 Human tra	c 178	16.6	63.8	28763	10	ADH80510	Adh80510 Escherich
c 106	17	65.4	110000	4	AAI99682	AAI99682 Human tra	c 179	16.6	63.8	50000	2	AAI23517	AAI23517 Human kid
c 107	17	65.4	110000	4	AAI99683	AAI99683 Human tra	c 180	16.6	63.8	98865	6	ABQ78054	AbQ78054 Human ras
c 108	17	65.4	110000	4	AAI99683	AAI99683 Human tra	c 181	16.6	63.8	98865	6	ABQ78054	AbQ78054 Human ras
c 109	17	65.4	110000	4	ABX08336	ABX08336 DNA encod	c 182	16.6	63.8	98865	6	ABQ78054	AbQ78054 Human ras
c 110	17	65.4	110000	10	ACF67367	ACF67367 Human aut	c 183	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 111	17	65.4	110000	11	ACN44150	ACN44150 Human pan	c 184	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 112	17	65.4	110000	11	ACN44150	ACN44150 Human pan	c 185	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 113	17	65.4	110000	12	ADJ25985	ADJ25985 DNA encod	c 186	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 114	17	65.4	110000	12	ADN97989	ADN97989 DNA encod	c 187	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 115	17	65.4	110000	12	ADO50281	ADO50281 DNA encod	c 188	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 116	17	65.4	165156	13	ADN97989	ADN97989 DNA encod	c 189	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 117	16.8	64.6	517	6	ABV96024	Abv96024 Human pan	c 190	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 118	16.8	64.6	531	6	ABL62743	Ab162743 Breast ca	c 191	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 119	16.8	64.6	531	6	ABL62743	Ab162743 Breast ca	c 192	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 120	16.8	64.6	870	8	ACA40225	ACA40225 Prokaryot	c 193	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 121	16.8	64.6	2157	5	AAS93328	Aas93328 DNA encod	c 194	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 122	16.8	64.6	5236	3	AAC99135	Aac99135 Human pan	c 195	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 123	16.8	64.6	8761	4	AAI57808	Aai57808 Human pol	c 196	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 124	16.8	64.6	8732	13	ABD33428	Abd33428 Human can	c 197	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 125	16.6	63.8	209	12	ACH93583	Ach93583 Human gen	c 198	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 126	16.6	63.8	520	12	ACH93583	Ach93583 Human gen	c 199	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 127	16.6	63.8	572	3	ACA24217	Aca24217 Arabidops	c 200	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 128	16.6	63.8	583	10	ADC76918	Adc76918 DNA homol	c 201	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 129	16.6	63.8	640	10	ADD48613	Add48613 Rat gene	c 202	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 130	16.6	63.8	640	10	ADD48613	Add48613 Rat gene	c 203	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 131	16.6	63.8	696	10	ADC77150	Adc77150 DNA homol	c 204	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 132	16.6	63.8	780	11	ADM45455	Adm45455 Insect re	c 205	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 133	16.6	63.8	785	6	ABN99094	Abn99094 Arabidops	c 206	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 134	16.6	63.8	1164	3	AAC52133	Aac52133 Arabidops	c 207	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 135	16.6	63.8	1185	5	ABAI4252	Abai4252 Human ner	c 208	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 136	16.6	63.8	1205	6	ABN98273	Abn98273 Arabidops	c 209	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 137	16.6	63.8	1410	11	ADI31587	Adi31587 Human CDN	c 210	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 138	16.6	63.8	1482	3	ACA47941	Aca47941 Arabidops	c 211	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 139	16.6	63.8	1524	3	RAF15900	Raf15900 Human pro	c 212	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 140	16.6	63.8	1571	12	ADP09648	Adp09648 Rice WMSD	c 213	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 141	16.6	63.8	1647	10	ADF30460	Adf30460 Mouse ang	c 214	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 142	16.6	63.8	1698	5	AAS81978	Aas81978 DNA encod	c 215	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 143	16.6	63.8	1756	10	ADD44906	Add44906 Rat gene	c 216	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 144	16.6	63.8	2000	8	ADA73332	Ada73332 Rice gene	c 217	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 145	16.6	63.8	2044	6	ABL61909	Ab161909 Colon ade	c 218	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 146	16.6	63.8	2044	6	ABK84346	Abk84346 Human CDN	c 219	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 147	16.6	63.8	2044	6	ABV78034	Abv78034 Hypoxia-r	c 220	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 148	16.6	63.8	2044	6	ABV78034	Abv78034 Hypoxia-r	c 221	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 149	16.6	63.8	2044	12	ADH28975	Adh28975 Human chr	c 222	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 150	16.6	63.8	2044	12	ADH28975	Adh28975 Human chr	c 223	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 151	16.6	63.8	2044	12	ADH28975	Adh28975 Human chr	c 224	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 152	16.6	63.8	2044	12	ADH28975	Adh28975 Human chr	c 225	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 153	16.6	63.8	2044	12	ADH28975	Adh28975 Human chr	c 226	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 154	16.6	63.8	2044	12	ADH28975	Adh28975 Human chr	c 227	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 155	16.6	63.8	2044	12	ADH28975	Adh28975 Human chr	c 228	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 156	16.6	63.8	2044	12	ADH28975	Adh28975 Human chr	c 229	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 157	16.6	63.8	2044	12	ADH28975	Adh28975 Human chr	c 230	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 158	16.6	63.8	2044	12	ADH28975	Adh28975 Human chr	c 231	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 159	16.6	63.8	2044	12	ADH28975	Adh28975 Human chr	c 232	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 160	16.6	63.8	2044	12	ADH28975	Adh28975 Human chr	c 233	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 161	16.6	63.8	2044	12	ADH28975	Adh28975 Human chr	c 234	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 162	16.6	63.8	2044	12	ADH28975	Adh28975 Human chr	c 235	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 163	16.6	63.8	2044	12	ADH28975	Adh28975 Human chr	c 236	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 164	16.6	63.8	2044	12	ADH28975	Adh28975 Human chr	c 237	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 165	16.6	63.8	2044	12	ADH28975	Adh28975 Human chr	c 238	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther
c 166	16.6	63.8	2044	12	ADH28975	Adh28975 Human chr	c 239	16.6	63.8	151152	13	ADRS2892	Adr2892 Drug ther

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 37.1533 Seconds  
(without alignments)  
4142.654 Million cell updates/sec

Title: US-09-912-968A-9

Perfect score: 26

Sequence: 1 tcagtttcattgcgcacaccagaa 26

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 4390206 seqs, 2959870667 residues

Total number of hits satisfying chosen parameters: 8780412

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database : N\_Geneseq\_16Dec04:\*

1: Geneseqn1980s:\*

2: Geneseqn1990s:\*

3: Geneseqn2000s:\*

4: Geneseqn2001as:\*

5: Geneseqn2001bs:\*

6: Geneseqn2002as:\*

7: Geneseqn2002bs:\*

8: Geneseqn2003as:\*

9: Geneseqn2003bs:\*

10: Geneseqn2003cs:\*

11: Geneseqn2003ds:\*

12: Geneseqn2004as:\*

13: Geneseqn2004bs:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	26	100.0	26	6	ABN84495
2	26	100.0	197	3	AAX288564
3	26	100.0	632	6	ABN83922
4	26	100.0	1008	10	ADE37162
5	26	100.0	1008	12	AD141630
6	26	100.0	1008	12	AD001896
7	26	100.0	1147	4	AAD06461
8	26	100.0	1998	8	ABV76269
9	26	100.0	2208	2	AAQ39180
10	26	100.0	3706	13	ADR49368
11	26	100.0	3778	13	ADR49367
12	26	100.0	7129	10	ADE97423
13	26	100.0	8012	2	AAX57305
14	26	100.0	8418	2	AAX57309
15	26	100.0	8798	2	AAX57308
16	26	100.0	10846	6	ABS54336
17	26	100.0	10847	2	AAX08923
18	26	100.0	10900	2	AAX08924
19	26	100.0	10900	6	ABS54337
20	26	100.0	11606	12	ADQ13598

21	26	100.0	12304	8	ABV75876	Abv75876 Luciferas
22	26	100.0	12497	8	ABV75875	Abv75875 Luciferas
23	26	100.0	12614	4	AAC66931	Aac66931 Plant sig
24	24.4	93.8	6128	9	ACC85050	Acc85050 Inducible
25	24.4	93.8	11522	6	ABK89709	Abk89709 Oestrogen
26	19.6	75.4	614	10	ADC76956	Adc76956 DNA homol
27	19.6	75.4	632	10	ADC76953	Adc76953 DNA homol
28	19.6	75.4	718	10	ADK58382	Adk58382 Plant DNA
29	19.6	75.4	736	10	ADK54321	Adk54321 Plant DNA
30	19.6	75.4	736	10	ADK57660	Adk57660 Plant DNA
31	19.6	75.4	841	11	ADM44879	Adm44879 Insect re
32	19.6	75.4	847	11	ADM45447	Adm45447 Insect re
33	19.6	75.4	110000	13	ABD32909_1	Continuation (2 of
34	19.2	73.8	24066	4	ABL09362	AbL09362 Drosophil
35	18.8	72.3	289190	13	ABD33143	Abd33143 Murine ca
36	18.6	71.5	29912	6	ABK87970	Abk87970 Human pro
37	18.2	70.0	305	2	AAX57263	Aax57263 Human ROB
38	18.2	70.0	1176	5	AHH65646	Aah65646 C glutami
39	18.2	70.0	2312	11	ADM01842	Adm01842 Human cDN
40	18.2	70.0	4956	2	AAX55770	Aax55770 Human ROB
41	18.2	70.0	4956	2	AAX57253	Aax57253 Human ROB
42	18.2	70.0	6629	12	ADM32895	Adm32895 Nucleotid
43	18.2	70.0	6629	12	ADQ19826	Adq19826 Human sof
44	18.2	70.0	7059	12	ADQ22725	Adq22725 Human sof
45	18.2	70.0	7059	12	ADQ23948	Adq23948 Human sof
46	18.2	70.0	7475	12	ADP07314	Adp07314 Human ROB
47	18.2	70.0	349980	5	AHH68525	Aah68525 C glutami
48	18.2	70.0	349980	5	AHH68526	Aah68526 C glutami
49	18	69.2	306	2	AAV72878	Aav72878 Neopora
50	18	69.2	307	2	AAV72881	Aav72881 Toxoplas
51	18	69.2	714	10	ADM454320	Adm454320 Plant DNA
52	18	69.2	725	11	ADM44821	Adm44821 Insect re
53	18	69.2	736	10	ADK57661	Adk57661 Plant DNA
54	18	69.2	741	11	ADM45450	Adm45450 Insect re
55	18	69.2	2494	4	ABL22520	AbL22520 Drosophil
56	18	69.2	6934	4	ABL20254	AbL20254 Drosophil
57	18	69.2	10938	4	ABL19600	AbL19600 Drosophil
58	18	69.2	23914	4	ABL20258	AbL20258 Drosophil
59	18	69.2	3217	4	AAS41738	Aas41738 Genomic s
60	18	69.2	32865	11	ACN44490	Acn44490 Human gen
61	18	69.2	52710	13	ABD33436	Abd33436 Human can
62	17.8	68.5	4365	13	ADR85411	Adr85411 Aspergill
63	17.8	68.5	4681	13	ADR84824	Adr84824 Aspergill
64	17.8	68.5	10681	13	ADR84237	Adr84237 Aspergill
65	17.6	67.7	426	3	AAC69737	Aac69737 Human bre
66	17.6	67.7	1531	5	ADL45530	Adl45530 Human ova
67	17.6	67.7	3565	4	AAK87302	Aak87302 Human imm
68	17.6	67.7	3565	4	AAK87303	Aak87303 Human imm
69	17.6	67.7	4483	4	AAK87304	Aak87304 Human imm
70	17.6	67.7	7883	6	ABL65808	AbL65808 Lung canc
71	17.6	67.7	7909	13	ADP56273	Adp56273 Human PRO
72	17.6	67.7	157090	12	ADO47194	Ado47194 DNA seque
73	17.6	67.7	275449	11	ACN44194	Acn44194 Human gen
74	17.6	67.7	349938	10	ADC87621	Adc87621 Human GPC
75	17.2	66.2	1041	9	ADA30422	Ada30422 DNA encod
76	17.2	66.2	1619	2	ADO35926	Ado35926 Novel mou
77	17.2	66.2	1646	9	ADA15580	Ada15580 DNA encod
78	17.2	66.2	2183	12	ADO01816	Ado01816 Thalecres
79	17.2	66.2	12699	4	ABL01997	AbL01997 Drosophil
80	17.2	66.2	18610	4	ABL01996	AbL01996 Drosophil
81	17.2	66.2	138627	12	ADQ97183	Adq97183 Human can
82	17.2	66.2	188017	11	ACN45148	Acn45148 Mouse gen
83	17	65.4	462	12	ADN13965	Adn13965 Human pro
84	17	65.4	478	13	ACN51885	An51885 Cotton an
85	17	65.4	555	3	AAF12394	Aaf12394 Murine 7-
86	17	65.4	669	3	AAF12394	Aaf12394 Aspergill
87	17	65.4	759	2	AAV01704	Aav01704 Hormone-1
88	17	65.4	894	8	ACA43702	AcA43702 Prokaryot
89	17	65.4	1506	13	ADS60008	AdS60008 Bacterial
90	17	65.4	2199	10	ADC08344	Adc08344 Rice DNA
91	17	65.4	2244	8	ADA69605	Ada69605 Rice gene
92	17	65.4	2471	11	ADM01403	AdM01403 Human cDN
93	17	65.4	2502	10	ACF70828	AcF70828 Photorhab

98	22.8	87.7	822	5	BQ151926	BQ151926	NF001H03I	171	21.8	83.8	622	2	BF006450	BF006450	EST434948
99	21.8	83.8	342	2	BE249672	BE249672	NF020B05L	172	21.8	83.8	625	2	BF636780	BF636780	NF002F12L
100	21.8	83.8	362	5	BQ153408	BQ153408	NF030E05I	173	21.8	83.8	625	2	BF638468	BF638468	NF058B08P
c 101	21.8	83.8	381	2	BE123979	BE123979	EST394104	174	21.8	83.8	625	5	AW981484	AW981484	EST392637
c 102	21.8	83.8	388	2	AW127673	AW127673	M110417 D	175	21.8	83.8	625	5	BQ138382	BQ138382	NF002F04P
c 103	21.8	83.8	410	2	BF005120	BF005120	EST433618	176	21.8	83.8	626	2	BF008370	BF008370	EST434868
104	21.8	83.8	423	4	B1263591	B1263591	NF087D11P	177	21.8	83.8	626	4	BQ454163	BQ454163	EST434868
c 105	21.8	83.8	460	2	BF006153	BF006153	EST434588	178	21.8	83.8	629	2	BE318909	BE318909	NF004F05L
106	21.8	83.8	467	2	BF636289	BF636289	NF109D03D	179	21.8	83.8	633	2	BF520299	BF520299	EST457769
107	21.8	83.8	467	2	BF005333	BF005333	EST433831	180	21.8	83.8	633	2	BF521361	BF521361	EST458837
108	21.8	83.8	476	4	BF519419	BF519419	EST456882	181	21.8	83.8	636	2	BF639172	BF639172	NF094F10P
109	21.8	83.8	476	4	BQ451570	BQ451570	NF110E09D	182	21.8	83.8	638	4	BQ457391	BQ457391	NF103G07P
c 110	21.8	83.8	479	2	AW127576	AW127576	M110303 D	183	21.8	83.8	639	2	BF519774	BF519774	EST457238
111	21.8	83.8	481	2	BF638278	BF638278	NF044C05P	184	21.8	83.8	639	2	AW775316	AW775316	EST334381
112	21.8	83.8	487	2	BF316137	BF316137	NF032G04L	185	21.8	83.8	639	2	BF006140	BF006140	EST434710
113	21.8	83.8	497	2	BF520001	BF520001	EST457469	186	21.8	83.8	639	2	BF006265	BF006265	EST434763
114	21.8	83.8	500	2	AW776838	AW776838	EST335903	187	21.8	83.8	640	2	BF005543	BF005543	EST434041
115	21.8	83.8	506	2	BF521038	BF521038	EST458511	188	21.8	83.8	640	4	B1264703	B1264703	NF112A11P
116	21.8	83.8	508	2	BF006288	BF006288	EST434786	189	21.8	83.8	643	2	BF638066	BF638066	NF028A12P
117	21.8	83.8	515	2	BF005048	BF005048	EST433546	190	21.8	83.8	656	4	B1263864	B1263864	NF107G12P
118	21.8	83.8	525	2	BF519923	BF519923	EST457389	191	21.8	83.8	657	4	BQ450660	BQ450660	NF036C06D
119	21.8	83.8	535	2	BF005804	BF005804	EST434302	192	21.8	83.8	657	4	B1265737	B1265737	NF033B12I
120	21.8	83.8	537	2	BF005410	BF005410	EST433908	193	21.8	83.8	659	4	BQ457148	BQ457148	NF054F05P
121	21.8	83.8	538	2	BF005412	BF005412	EST433910	194	21.8	83.8	660	2	BF638322	BF638322	NF04C12P
122	21.8	83.8	540	2	BF005425	BF005425	EST433923	195	21.8	83.8	660	4	BQ451310	BQ451310	NF107A04D
123	21.8	83.8	541	2	BF518998	BF518998	EST456395	196	21.8	83.8	660	4	BQ457894	BQ457894	NF033B05P
124	21.8	83.8	541	2	AW775638	AW775638	EST334703	c 197	21.8	83.8	660	4	B1267739	B1267739	NF112C11I
125	21.8	83.8	541	2	BF005414	BF005414	EST433912	198	21.8	83.8	661	2	BF520334	BF520334	EST457804
126	21.8	83.8	548	2	BF005413	BF005413	EST433911	199	21.8	83.8	662	2	BF632046	BF632046	NF025E02D
127	21.8	83.8	550	2	BF520034	BF520034	EST457502	200	21.8	83.8	662	2	BF005270	BF005270	EST433768
128	21.8	83.8	555	2	AW775601	AW775601	EST334866	201	21.8	83.8	663	2	AW775393	AW775393	EST334458
129	21.8	83.8	560	2	BF005450	BF005450	EST433948	202	21.8	83.8	668	2	AW776001	AW776001	EST335066
130	21.8	83.8	560	2	BF006628	BF006628	EST434760	203	21.8	83.8	668	2	BF005324	BF005324	EST433822
131	21.8	83.8	562	2	BF006628	BF006628	EST435126	204	21.8	83.8	670	4	BQ457807	BQ457807	NF037G04P
132	21.8	83.8	563	2	BF006181	BF006181	EST434616	205	21.8	83.8	671	4	B1263391	B1263391	NF050A10P
133	21.8	83.8	564	2	BF520291	BF520291	EST457761	206	21.8	83.8	672	2	BF637726	BF637726	NF041A11P
134	21.8	83.8	564	2	BF005007	BF005007	EST433505	207	21.8	83.8	672	4	BQ455264	BQ455264	NF037G07P
135	21.8	83.8	566	2	BF632299	BF632299	NF083A07I	c 208	21.8	83.8	675	2	BF519292	BF519292	EST456754
136	21.8	83.8	569	4	B1265454	B1265454	CA990114	209	21.8	83.8	675	2	BF519292	BF519292	EST456754
137	21.8	83.8	569	6	CA990114	CA990114	EST436322	210	21.8	83.8	677	2	BF520269	BF520269	EST457739
138	21.8	83.8	570	2	BF003302	BF003302	EST431800	211	21.8	83.8	677	4	BQ456238	BQ456238	NF075D09P
139	21.8	83.8	570	2	BF005313	BF005313	EST433811	212	21.8	83.8	677	5	BQ156829	BQ156829	NF097F06I
140	21.8	83.8	572	2	BF006173	BF006173	EST434608	213	21.8	83.8	678	2	BF005555	BF005555	EST434053
141	21.8	83.8	573	2	BF005300	BF005300	EST433798	214	21.8	83.8	678	2	BF005555	BF005555	EST434053
142	21.8	83.8	575	2	BF006168	BF006168	EST434603	215	21.8	83.8	679	2	BF006105	BF006105	EST434675
143	21.8	83.8	575	4	B1264442	B1264442	NF116E07P	216	21.8	83.8	682	2	BF638379	BF638379	NF045F07P
144	21.8	83.8	581	2	BF005054	BF005054	EST433552	217	21.8	83.8	683	2	AW775921	AW775921	EST334986
145	21.8	83.8	581	2	BF005073	BF005073	EST433571	218	21.8	83.8	683	2	BF004902	BF004902	EST334346
146	21.8	83.8	581	2	BF005874	BF005874	EST434372	219	21.8	83.8	687	2	AW776582	AW776582	EST335647
147	21.8	83.8	581	2	BF005929	BF005929	EST434427	220	21.8	83.8	688	2	BF005233	BF005233	EST433731
148	21.8	83.8	582	2	BF521425	BF521425	EST458910	221	21.8	83.8	688	4	BQ449570	BQ449570	NF054A08I
149	21.8	83.8	585	2	BF519770	BF519770	EST457234	222	21.8	83.8	689	2	BF638217	BF638217	NF045C08P
150	21.8	83.8	585	2	BF005272	BF005272	EST433770	223	21.8	83.8	690	2	BF519755	BF519755	EST457219
151	21.8	83.8	585	2	BF006532	BF006532	EST435030	224	21.8	83.8	691	2	BF634670	BF634670	NF063C08D
152	21.8	83.8	586	2	BF520203	BF520203	EST457672	225	21.8	83.8	691	2	BF005227	BF005227	EST433725
153	21.8	83.8	589	2	BF005038	BF005038	EST433536	226	21.8	83.8	692	4	BQ452551	BQ452551	NF107B07L
154	21.8	83.8	590	2	BF324900	BF324900	EST433F02P	227	21.8	83.8	696	2	BF519720	BF519720	EST457184
155	21.8	83.8	595	2	BF005322	BF005322	EST433820	228	21.8	83.8	698	2	BF520806	BF520806	EST458279
156	21.8	83.8	596	4	BQ450125	BQ450125	NF013A02D	229	21.8	83.8	699	2	BF005958	BF005958	EST434456
157	21.8	83.8	597	6	CA990001	CA990001	EST434509	230	21.8	83.8	702	4	B1272726	B1272726	NF025B10P
158	21.8	83.8	602	2	BF005037	BF005037	EST433535	231	21.8	83.8	703	2	BF006094	BF006094	EST434664
159	21.8	83.8	603	4	B1263161	B1263161	NF085F04P	232	21.8	83.8	703	5	BQ165471	BQ165471	EST611340
160	21.8	83.8	605	4	B1268997	B1268997	NF002C10I	233	21.8	83.8	704	2	BF005542	BF005542	EST434040
161	21.8	83.8	608	2	BF006582	BF006582	EST435080	234	21.8	83.8	711	2	BF005247	BF005247	EST433745
162	21.8	83.8	609	2	AW981449	AW981449	EST392611	235	21.8	83.8	725	6	CA919228	CA919228	EST636946
163	21.8	83.8	614	4	BQ454552	BQ454552	NF112G12L	236	21.8	83.8	727	6	CF068644	CF068644	EST669365
164	21.8	83.8	615	5	BQ155895	BQ155895	NF085E03I	237	21.8	83.8	731	5	BQ165472	BQ165472	EST611341
165	21.8	83.8	615	5	BQ155895	BQ155895	NF085E03I	c 238	21.8	83.8	737	5	AW776021	AW776021	EST335086
166	21.8	83.8	617	5	BQ139389	BQ139389	NF014G08P	239	21.8	83.8	753	5	BQ158155	BQ158155	NF029B01P
167	21.8	83.8	618	2	BF638728	BF638728	NF063G08P	240	21.8	83.8	795	5	BQ145040	BQ145040	NF020707D
168	21.8	83.8	619	2	BE318126	BE318126	NF075E08L	241	21.8	83.8	818	5	BQ148749	BQ148749	NF082B12P
169	21.8	83.8	622	2	BF005428	BF005428	EST433926	242	21.8	83.8	849	5	BQ157971	BQ157971	NF011D08P
170	21.8	83.8	622	2	BF006206	BF006206	EST434641	243	21.8	83.8	872	5	BQ150602	BQ150602	NF037G07L

## OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 243.471 Seconds  
(without alignments)  
4064.839 Million cell updates/sec

Title: US-09-912-968A-9

Perfect score: 26

Sequence: 1 tcagtttcattgcgcacacacagaa 26

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 34239544 seqs, 19032134700 residues

Total number of hits satisfying chosen parameters: 68479088

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database :

EST:\*

1: gb\_est1:\*

2: gb\_est2:\*

3: gb\_hic:\*

4: gb\_est3:\*

5: gb\_est4:\*

6: gb\_est5:\*

7: gb\_est6:\*

8: gb\_gss1:\*

9: gb\_gss2:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	26	100.0	161	6	CD860752 TE.005024
2	26	100.0	177	6	CD860827
3	26	100.0	191	6	CD861044 TNE.00301
4	26	100.0	335	6	CD861030 TNE.003N1
5	26	100.0	499	6	CD860270 FW.010C05
6	24.4	93.8	155	6	CD860783 TNE.003A0
7	24.4	93.8	176	6	CD860921 TNE.003H2
8	24.4	93.8	176	6	CD860933 TNE.003I1
9	24.4	93.8	214	6	CD860798 TNE.003B0
10	24.4	93.8	240	6	CD860818 TNE.003C0
11	24.4	93.8	255	6	CD860695 TE.005K04
12	24.4	93.8	271	6	CD860700 TNE.005K10
13	24.4	93.8	282	6	CD859167 CNI.003D1
14	24.4	93.8	283	6	CD859159 CNI.003D0
15	24.4	93.8	283	6	CD860979 TNE.003L0
16	24.4	93.8	284	6	CD860971 TNE.003K1
17	24.4	93.8	288	6	CD859291 CNI.003O2
18	24.4	93.8	290	6	CD859157 CNI.003D0
19	24.4	93.8	292	6	CD860811 TNE.003B2
20	24.4	93.8	296	6	CD859194 CNI.003F1
21	24.4	93.8	299	6	CD860967 TNE.003K1
22	24.4	93.8	308	6	CD858723 CE.007N16
23	24.4	93.8	323	6	CD858606 CE.007B19
24	24.4	93.8	323	6	CD858676 CE.007J07

25	24.4	93.8	437	6	CD861014
26	23.4	90.0	576	6	CD859137
27	22.8	87.7	94	6	CD860898 TNE.003G1
28	22.8	87.7	211	2	BE248686 NF010B01D
29	22.8	87.7	233	6	CD860692 TE.005I24
30	22.8	87.7	257	6	CD860829 TNE.003C2
c	31	22.8	267	2	BE249727 NF021B03L
32	22.8	87.7	269	6	CD860804 TNE.003B1
33	22.8	87.7	273	4	BI269639 NF011H11
34	22.8	87.7	283	6	CD860614 TE.005C07
35	22.8	87.7	286	6	CD860651 TE.005G02
36	22.8	87.7	288	2	BF635897 NF044A05D
c	37	22.8	309	6	CD860854 TNE.003E0
38	22.8	87.7	381	2	AW127701 M110451 D
39	22.8	87.7	381	6	CD861035 TNE.003O0
40	22.8	87.7	383	5	BQ153331 NF035B061
41	22.8	87.7	389	6	CD860824 TNE.003C1
42	22.8	87.7	393	4	BG450105 NF013D04D
43	22.8	87.7	403	5	BQ154421 NF069F101
44	22.8	87.7	411	6	CD860886 TNE.003F2
45	22.8	87.7	411	6	CD860992 TNE.003L1
46	22.8	87.7	414	6	CD861023 TNE.003N1
47	22.8	87.7	417	6	CD860683 TE.005I13
48	22.8	87.7	417	6	CD860962 TNE.003K0
49	22.8	87.7	421	5	BQ155838 NF084G031
50	22.8	87.7	423	5	BQ152634 NF021G081
51	22.8	87.7	427	7	CO515373 s13dSG49D
52	22.8	87.7	449	6	CD858500 CE.006B14
53	22.8	87.7	515	2	BF635253 NF063F01D
54	22.8	87.7	517	2	BF005681 EST434179
55	22.8	87.7	542	2	AW776438 EST335503
56	22.8	87.7	560	2	BF519070 EST456530
57	22.8	87.7	566	2	BE316039 NF030A08L
58	22.8	87.7	576	2	BE318958 NF034G05L
c	59	22.8	581	2	AW776118 EST335183
60	22.8	87.7	587	2	BF004935 EST433496
61	22.8	87.7	587	2	BF005695 EST434193
62	22.8	87.7	588	2	BF006540 EST435038
63	22.8	87.7	594	4	BG451110 NF098F06D
c	64	22.8	596	2	BF005263 EST433761
65	22.8	87.7	598	7	CO515405 s13dSG50A
66	22.8	87.7	604	6	CF068572 EST669293
67	22.8	87.7	607	4	BG450049 NF011A05D
68	22.8	87.7	610	4	BI269841 NF009H101
69	22.8	87.7	615	7	CO514520 s13dSG43F
70	22.8	87.7	618	2	BE319121 NF044E01L
71	22.8	87.7	621	2	BF005845 EST434334
72	22.8	87.7	623	4	BG449895 NF071A041
73	22.8	87.7	628	2	AW776925 EST335990
74	22.8	87.7	628	2	AW981192 EST392386
75	22.8	87.7	628	2	BF006242 EST434740
76	22.8	87.7	644	2	AW981232 EST392322
77	22.8	87.7	646	4	BG452893 NF086A07L
78	22.8	87.7	650	4	BG449587 NF054E061
79	22.8	87.7	654	2	BF006090 EST434660
80	22.8	87.7	658	2	BF006091 EST434661
81	22.8	87.7	658	2	BG453555 NF097H01L
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c 104	16.4	63.1	97424	4	US-09-949-016-15576	Sequence 15576, A	177	16	61.5	32379	4	US-09-949-016-15221	Sequence 15221, A
c 105	16.4	63.1	140925	4	US-09-949-016-11777	Sequence 11777, A	178	16	61.5	32379	4	US-09-949-016-15222	Sequence 15222, A
c 106	16.4	63.1	140982	4	US-09-949-016-16295	Sequence 16295, A	179	16	61.5	32379	4	US-09-949-016-15223	Sequence 15223, A
c 107	16.4	63.1	264206	4	US-09-949-016-12731	Sequence 12731, A	180	16	61.5	32379	4	US-09-949-016-15224	Sequence 15224, A
c 108	16.4	63.1	264304	4	US-09-949-016-13249	Sequence 13249, A	181	16	61.5	32379	4	US-09-949-016-15225	Sequence 15225, A
c 109	16.4	63.1	455726	4	US-09-949-016-14157	Sequence 14157, A	182	16	61.5	32379	4	US-09-949-016-15226	Sequence 15226, A
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c 112	16.4	63.1	635591	4	US-09-949-016-13388	Sequence 13388, A	185	16	61.5	55827	3	US-10-212-877-3	Sequence 3, Appl
c 113	16.4	63.1	786431	4	US-09-751-389-3	Sequence 3, Appl	c 186	16	61.5	55827	4	US-09-949-016-15897	Sequence 15897, A
c 114	16.2	62.3	601	4	US-09-949-016-174173	Sequence 174173, A	c 187	16	61.5	55824	4	US-09-949-016-12615	Sequence 12615, A
c 115	16.2	62.3	601	4	US-09-949-016-174174	Sequence 174174, A	c 188	16	61.5	55824	4	US-09-949-016-16287	Sequence 16287, A
c 116	16.2	62.3	601	4	US-09-949-016-174365	Sequence 174365, A	c 189	16	61.5	60489	4	US-09-949-016-16287	Sequence 16287, A
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c 122	16.2	62.3	1001	4	US-10-170-097-168	Sequence 168, App	c 195	16	61.5	85368	4	US-09-949-016-16551	Sequence 16551, A
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c 124	16.2	62.3	1104	4	US-09-540-236-88	Sequence 88, Appl	c 197	16	61.5	119930	4	US-09-949-016-16319	Sequence 16319, A
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c 129	16.2	62.3	63199	4	US-09-949-016-13881	Sequence 13881, A	c 202	15.8	60.8	59719	4	US-09-949-016-15616	Sequence 15616, A
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c 131	16.2	62.3	126237	4	US-09-949-016-16675	Sequence 16675, A	c 204	15.8	60.8	109690	4	US-09-949-016-13525	Sequence 13525, A
c 132	16.2	62.3	126237	4	US-09-949-016-15379	Sequence 15379, A	c 205	15.6	60.0	292	4	US-09-313-294A-6456	Sequence 6456, Ap
c 133	16.2	62.3	269233	4	US-09-596-002-41	Sequence 41, Appl	c 206	15.6	60.0	419	4	US-09-270-767-8300	Sequence 8300, Ap
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c 139	16	61.5	601	4	US-09-949-016-77943	Sequence 77943, A	c 212	15.6	60.0	601	4	US-09-949-016-26258	Sequence 26258, A
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c 155	16	61.5	601	4	US-09-949-016-147933	Sequence 147933, A	c 228	15.6	60.0	601	4	US-09-949-016-179837	Sequence 179837, A
c 156	16	61.5	601	4	US-09-949-016-169651	Sequence 169651, A	c 229	15.6	60.0	601	4	US-09-949-016-191591	Sequence 191591, A
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c 160	16	61.5	1473	4	US-09-134-000C-2771	Sequence 2771, Ap	c 233	15.6	60.0	601	4	US-09-949-016-191948	Sequence 191948, A
c 161	16	61.5	2016	4	US-09-328-352-3742	Sequence 3742, Ap	c 234	15.6	60.0	601	4	US-09-949-016-192125	Sequence 192125, A
c 162	16	61.5	2183	4	US-09-641-612-9	Sequence 9, Appl	c 235	15.6	60.0	601	4	US-09-949-016-192126	Sequence 192126, A
c 163	16	61.5	2663	3	US-09-068-740A-8	Sequence 8, Appl	c 236	15.6	60.0	601	4	US-09-949-016-194482	Sequence 194482, A
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c 166	16	61.5	3234	1	US-08-286-325A-7	Sequence 7, Appl	c 239	15.6	60.0	601	4	US-08-936-165A-44	Sequence 44, Appl
c 167	16	61.5	6223	4	US-09-620-312D-459	Sequence 459, App	c 240	15.6	60.0	1115	3	US-09-270-767-9870	Sequence 9870, Ap
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c 171	16	61.5	31199	4	US-09-949-016-16516	Sequence 16516, A	c 244	15.6	60.0	1950	4	US-09-434-613-2	Sequence 2, Appl
c 172	16	61.5	32310	4	US-09-949-016-16164	Sequence 16164, A	c 245	15.6	60.0	1964	3	US-09-963-908-2	Sequence 2, Appl
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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 11.1533 Seconds  
(without alignments)  
3814.402 Million cell updates/sec

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Scoring table: IDENTITY\_NUC  
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Searched: 1202784 seqs, 818138359 residues

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Post-processing: Minimum Match 0%  
Listing first 500 summaries

Database : Issued Patents NA: \*  
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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

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3	26	100.0	197	5	PCT-US94-01144-4 Sequence 4, Appli
4	26	100.0	2124	1	US-08-803-973-11 Sequence 11, Appl
5	26	100.0	2124	1	US-08-803-972-11 Sequence 11, Appl
6	26	100.0	8012	3	US-09-182-117-1 Sequence 1, Appli
7	26	100.0	8012	4	US-09-434-039A-1 Sequence 1, Appli
8	26	100.0	8418	3	US-09-182-117-5 Sequence 5, Appli
9	26	100.0	8418	4	US-09-434-039A-5 Sequence 5, Appli
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12	26	100.0	10846	3	US-09-098-219B-5 Sequence 5, Appli
13	26	100.0	10846	4	US-10-164-204-5 Sequence 5, Appli
14	26	100.0	10846	4	US-09-923-109-5 Sequence 5, Appli
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21	17.6	67.7	51754	4	US-09-949-016-15009 Sequence 15009, A
22	17.6	67.7	51754	4	US-09-949-016-15010 Sequence 15010, A
23	17.6	67.7	51754	4	US-09-949-016-15011 Sequence 15011, A
24	17.6	67.7	51754	4	US-09-949-016-15012 Sequence 15012, A
25	17.6	67.7	51754	4	US-09-949-016-15275 Sequence 15275, A
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	32	17.2	66.2	1103	4	US-09-270-767-22687	Sequence 22687, A
	33	17.2	66.2	26011	4	US-09-949-016-17499	Sequence 17499, A
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	40	17	65.4	4411529	3	US-09-103-840A-1	Sequence 1, Appli
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	43	16.6	63.8	1410	4	US-09-023-655-913	Sequence 913, App
	44	16.6	63.8	2039	4	US-09-949-016-1852	Sequence 1852, App
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	46	16.6	63.8	13424	4	US-09-949-016-13594	Sequence 13594, A
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	52	16.4	63.1	601	4	US-09-949-016-76333	Sequence 76333, A
	53	16.4	63.1	601	4	US-09-949-016-76334	Sequence 76334, A
	54	16.4	63.1	601	4	US-09-949-016-77942	Sequence 77942, A
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	57	16.4	63.1	744	4	US-09-252-991A-16151	Sequence 16151, A
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	68	16.4	63.1	828	4	US-09-679-426-4	Sequence 4, Appli
	69	16.4	63.1	828	4	US-09-759-143-4	Sequence 4, Appli
	70	16.4	63.1	1011	4	US-09-651-236-4	Sequence 4, Appli
	71	16.4	63.1	1011	4	US-09-248-796A-4696	Sequence 4696, Ap
	72	16.4	63.1	1086	1	US-08-415-751-27	Sequence 27, Appl
	73	16.4	63.1	1086	1	US-08-415-751-28	Sequence 28, Appl
	74	16.4	63.1	1107	4	US-09-252-991A-16449	Sequence 16449, A
	75	16.4	63.1	1341	3	US-08-983-075D-6	Sequence 6, Appli
	76	16.4	63.1	1358	3	US-08-983-075D-8	Sequence 8, Appli
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	78	16.4	63.1	1507	4	US-09-949-016-1840	Sequence 1840, Ap
	79	16.4	63.1	1682	4	US-09-620-312D-389	Sequence 389, App
	80	16.4	63.1	3279	3	US-09-439-313-382	Sequence 382, App
	81	16.4	63.1	3279	3	US-09-352-616A-382	Sequence 382, App
	82	16.4	63.1	3279	4	US-09-636-215-382	Sequence 382, App
	83	16.4	63.1	3279	4	US-09-685-166A-382	Sequence 382, App
	84	16.4	63.1	3279	4	US-09-679-426-382	Sequence 382, App
	85	16.4	63.1	3279	4	US-09-759-143-382	Sequence 382, App
	86	16.4	63.1	3279	4	US-09-651-236-382	Sequence 382, App
	87	16.4	63.1	5163	3	US-08-700-651-4	Sequence 1, Appli
	88	16.4	63.1	5163	3	US-08-928-361B-4	Sequence 4, Appli
	89	16.4	63.1	5163	4	US-09-588-995A-4	Sequence 4, Appli
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	94	16.4	63.1	5511	4	US-09-588-995A-2	Sequence 2, Appli
	95	16.4	63.1	6139	4	US-08-843-076D-33	Sequence 33, Appl
	96	16.4	63.1	7334	3	US-08-928-361B-1	Sequence 1, Appli
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	100	16.4	63.1	13214	4	US-09-949-016-14015	Sequence 14015, A



c 81	17.2	66.2	188017	13	US-10-087-192-1951	Sequence 1951, Ap	154	16.6	63.8	914	17	US-10-027-632-120774	Sequence 120774,
c 82	17	65.4	224	18	US-10-424-599-113547	Sequence 113547, A	155	16.6	63.8	929	20	US-10-739-930-1359	Sequence 1359, Ap
c 83	17	65.4	337	20	US-10-425-115-17016	Sequence 17016, A	156	16.6	63.8	1205	9	US-09-770-445-41	Sequence 41, Appl
c 84	17	65.4	414	17	US-10-242-535A-23715	Sequence 23715, A	157	16.6	63.8	1410	18	US-10-641-643-913	Sequence 913, App
c 85	17	65.4	414	18	US-10-085-783A-23715	Sequence 23715, A	158	16.6	63.8	1524	9	US-09-935-300-335	Sequence 335, App
c 86	17	65.4	478	19	US-10-021-323-6666	Sequence 6666, Ap	c 159	16.6	63.8	1647	16	US-10-316-253-23	Sequence 23, Appl
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c 89	17	65.4	557	17	US-10-027-632-114499	Sequence 114499, c	162	16.6	63.8	2044	15	US-10-171-581-243	Sequence 243, App
c 90	17	65.4	557	17	US-10-027-632-114500	Sequence 114500, c	163	16.6	63.8	2044	15	US-10-170-385-322	Sequence 322, App
c 91	17	65.4	559	18	US-10-240-425-1312	Sequence 1312, Ap	164	16.6	63.8	2044	17	US-10-172-118-1025	Sequence 1025, Ap
c 92	17	65.4	608	20	US-10-425-115-726	Sequence 726, App	165	16.6	63.8	2044	18	US-10-240-425-1439	Sequence 1439, Ap
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c 94	17	65.4	609	17	US-10-027-632-278006	Sequence 278006, c	167	16.6	63.8	2044	21	US-10-843-641A-246	Sequence 246, App
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c 115	17	65.4	439892	13	US-10-087-192-454	Sequence 454, App	188	16.6	63.8	5811	13	US-10-002-600-15	Sequence 13961, A
c 116	17	65.4	493631	13	US-10-087-192-205	Sequence 205, App	189	16.6	63.8	5811	13	US-10-002-600-15	Sequence 3573, Ap
c 117	17	65.4	1691139	14	US-10-067-514-1	Sequence 1, Appli	190	16.6	63.8	5811	13	US-10-002-600-15	Sequence 3573, Ap
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c 120	16.8	64.6	517	14	US-10-060-036-1432	Sequence 1432, Ap	193	16.4	63.1	450	20	US-10-357-930-35096	Sequence 136884, A
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c 129	16.8	64.6	68732	19	US-10-322-281-560	Sequence 560, App	202	16.4	63.1	523	20	US-10-424-599-47987	Sequence 418, App
c 130	16.6	63.8	137	9	US-09-770-696-574	Sequence 574, App	203	16.4	63.1	523	20	US-10-329-824-418	Sequence 418, App
c 131	16.6	63.8	201	21	US-10-741-600-70176	Sequence 70176, A	204	16.4	63.1	523	20	US-10-282-122A-31246	Sequence 31246, A
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c 133	16.6	63.8	339	20	US-10-425-115-54498	Sequence 54498, A	206	16.4	63.1	523	20	US-10-242-355-1202	Sequence 1202, Ap
c 134	16.6	63.8	471	20	US-10-425-115-17682	Sequence 17682, A	207	16.4	63.1	523	20	US-10-487-901-5042	Sequence 5042, Ap
c 135	16.6	63.8	520	16	US-10-029-386-13078	Sequence 13078, A	208	16.4	63.1	523	20	US-10-027-632-220545	Sequence 220545, A
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c 152	16.6	63.8	859	17	US-10-027-632-158089	Sequence 158089, c	225	16.4	63.1	523	20	US-10-425-115-33505	Sequence 33505, A
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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:57 ; Search time 115.702 Seconds  
(without alignments)  
1409.457 Million cell updates/sec

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Maximum Match 100%

Listing first 500 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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24	21.2	81.5	138	17	US-10-205-562-7	Sequence 7, Appli
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29	19.6	75.4	721377	21	US-10-461-862-163	Sequence 163, App
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47	18	69.2	32865	13	US-10-087-192-964	Sequence 964, App
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56	17.6	67.7	7909	21	US-10-782-413-21	Sequence 21, Appl
57	17.6	67.7	157090	19	US-10-672-764A-34	Sequence 34, Appl
58	17.6	67.7	275449	13	US-10-087-192-520	Sequence 520, App
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61	17.6	67.7	495635	22	US-10-737-082-12	Sequence 12, Appl
62	17.6	67.7	495635	22	US-10-765-790-12	Sequence 12, Appl
63	17.6	67.7	705636	22	US-10-737-082-30	Sequence 30, Appl
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164	22	100.0	683	2	BF004902	EST433463	237	21	95.5	295	7	CF085702	QHL6012.Y
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166	22	100.0	686	2	BF634857	NF075C11D	239	21	95.5	299	7	CF085964	QHL7N01.Y
167	22	100.0	687	4	BG454544	NF059C12P	240	21	95.5	300	7	CF098616	QHL7006.Y
168	22	100.0	688	4	BG449570	NF054A08I	241	21	95.5	303	7	CF079053	QHL79053
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170	22	100.0	691	2	BF634670	NF063C08D	243	21	95.5	304	7	CF080781	QHL10M16.

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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 206.014 Seconds  
(without alignments)  
4064.839 Million cell updates/sec

Title: US-09-912-968A-7

Perfect score: 22

Sequence: 1 caacgttcgtaagtcaatgc 22

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 34239544 seqs, 19032134700 residues

Total number of hits satisfying chosen parameters: 68479088

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database : EST:\*

1: gb\_est1:\*

2: gb\_est2:\*

3: gb\_hic:\*

4: gb\_est3:\*

5: gb\_est4:\*

6: gb\_est5:\*

7: gb\_est6:\*

8: gb\_gss1:\*

9: gb\_gss2:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	22	100.0	176	6	CD860921	TNE.003H2
5	22	100.0	176	6	CD860933	TNE.003I1
6	22	100.0	177	6	CD860827	TNE.003C2
7	22	100.0	191	6	CD861044	TNE.003O1
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9	22	100.0	214	6	CD860798	TNE.003B0
10	22	100.0	235	6	CD860695	TE.005K04
11	22	100.0	271	4	CD860700	TE.005K10
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15	22	100.0	283	6	CD860614	TE.005C07
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C	68	22	100.0	575	4	BI266512	NF098H07I
C	69	22	100.0	576	2	BF318958	NF034G05L
C	70	22	100.0	576	6	CD859137	CNI.003A1
C	71	22	100.0	577	2	BF005795	EST434293
C	72	22	100.0	581	2	AW776118	EST335183
C	73	22	100.0	581	2	BF005054	EST433552
C	74	22	100.0	581	2	BF005073	EST433571
C	75	22	100.0	581	2	BF005874	EST434372
C	76	22	100.0	581	2	BF005929	EST434427
C	77	22	100.0	583	2	BE322078	NF049F11I
C	78	22	100.0	584	4	BI263556	NF086C04P
C	79	22	100.0	585	2	BF519759	EST457223
C	80	22	100.0	585	2	AW775375	EST334440
C	81	22	100.0	585	4	BQ458057	NF050E10P
C	82	22	100.0	587	2	BF004935	EST433496
C	83	22	100.0	587	2	BF005695	EST434193
C	84	22	100.0	588	2	BF520315	EST457785
C	85	22	100.0	588	2	BF520960	EST458433
C	86	22	100.0	588	2	BF005582	EST434080
C	87	22	100.0	588	2	BF006540	EST435038
C	88	22	100.0	591	2	BF637013	NF048D04L
C	89	22	100.0	596	2	BF005263	EST433761
C	90	22	100.0	596	4	BQ450125	NF013A02D
C	91	22	100.0	600	7	CO514649	g13d8G46D
C	92	22	100.0	602	2	BF005037	EST433355
C	93	22	100.0	602	5	BQ141468	NF019H04P
C	94	22	100.0	604	6	CF068572	EST669293
C	95	22	100.0	605	4	BI268997	NF002C10I
C	96	22	100.0	607	4	BQ450049	NF011A05D
C	97	22	100.0	610	2	BE324993	NF019B10P

94	17.2	78.2	271	12	ADP57246	Adp57246 Soybean c	167	16.2	73.6	349980	5	AAH41223	Aah41223 Pyrococcus
95	17.2	78.2	272	12	ADP57248	Adp57248 Soybean c	168	16.2	73.6	349980	5	AAH41224	Aah41224 Pyrococcus
96	17.2	78.2	276	12	ADP57286	Adp57286 Soybean c	c 169	15.8	71.8	594	6	ABN89069	Abn89069 Human pro
97	17.2	78.2	281	12	ADP57245	Adp57245 Soybean c	c 170	15.8	71.8	632	6	ABN89070	Abn89070 Human pro
98	17.2	78.2	282	12	ADP57265	Adp57265 Soybean c	c 171	15.8	71.8	1061	3	AAF09266	Aaf09266 Fusarium
99	17.2	78.2	283	12	ADP57273	Adp57273 Soybean c	c 172	15.8	71.8	1188	12	ADL71005	Adl71005 Bacterioph
100	17.2	78.2	291	12	ADP57231	Adp57231 Soybean c	c 173	15.8	71.8	1188	12	ADO47836	Ado47836 Bacterioph
101	17.2	78.2	294	12	ADP57257	Adp57257 Soybean c	c 174	15.8	71.8	1406	2	AAH13510	Aah13510 Enterococ
102	17.2	78.2	316	12	ADP57770	Adp57770 Soybean c	c 175	15.8	71.8	1406	6	ABS99305	Abs99305 Enterococ
103	17.2	78.2	331	11	ADM45175	Adm45175 Insect re	c 176	15.8	71.8	1872	8	ACA23789	Aca23789 Prokaryot
104	17.2	78.2	354	12	ADP57744	Adp57744 Soybean c	c 177	15.8	71.8	2232	4	AA553272	Aa553272 Haemophil
105	17.2	78.2	356	12	ADP57746	Adp57746 Soybean c	c 178	15.8	71.8	2232	8	ACA34084	Aca34084 Prokaryot
106	17.2	78.2	392	12	ADP57729	Adp57729 Soybean c	c 179	15.8	71.8	2450	13	ADS48666	Ads48666 Bacterial
107	17.2	78.2	426	13	ACN61094	Acn61094 Cotton gy	c 180	15.8	71.8	2578	13	ADS60944	Ads60944 Bacterial
108	17.2	78.2	579	11	ADM45168	Adm45168 Insect re	c 181	15.8	71.8	2874	4	ABL29605	Ab129605 Drosophil
109	17.2	78.2	581	10	ADC75089	Adc75089 N bentham	c 182	15.8	71.8	3011	4	ABL29598	Ab129598 Drosophil
110	17.2	78.2	608	10	ADC76944	Adc76944 DNA homol	c 183	15.8	71.8	3381	4	ABL29590	Ab129590 Drosophil
111	17.2	78.2	609	10	ADC76965	Adc76965 DNA homol	c 184	15.8	71.8	3609	4	ABL29592	Ab129592 Drosophil
112	17.2	78.2	614	10	ADC76956	Adc76956 DNA homol	c 185	15.8	71.8	8668	2	AAQ50433	Aaq50433 Partial h
113	17.2	78.2	615	10	ADC76949	Adc76949 DNA homol	c 186	15.8	71.8	10942	4	ABL29604	Ab129604 Drosophil
114	17.2	78.2	619	11	ADM45158	Adm45158 Insect re	c 187	15.8	71.8	13131	6	ABL92248	Ab192248 Chemical
115	17.2	78.2	632	10	ADC76953	Adc76953 DNA homol	c 188	15.8	71.8	13380	4	AA559637	Aa559637 Propionib
116	17.2	78.2	668	10	ADK59825	Adk59825 Plant DNA	c 189	15.8	71.8	13380	8	ACF64566	Acf64566 Propionib
117	17.2	78.2	668	11	ADM45687	Adm45687 Insect re	c 190	15.8	71.8	17082	2	AAH13166	Aah13166 Enterococ
118	17.2	78.2	684	10	ADC76948	Adc76948 DNA homol	c 191	15.8	71.8	17082	4	ABS98961	Abs98961 Enterococ
119	17.2	78.2	714	10	ADK54320	Adk54320 Plant DNA	c 192	15.8	71.8	22345	4	ABL02352	Ab102352 Drosophil
120	17.2	78.2	718	10	ADK54382	Adk54382 Plant DNA	c 193	15.8	71.8	91608	10	AAH54538	Aah54538 Arabidops
121	17.2	78.2	725	11	ADM44821	Adm44821 Insect re	c 194	15.8	71.8	110000	2	AAH42063_03	Continuation (4 of
122	17.2	78.2	736	10	ADK54321	Adk54321 Plant DNA	c 195	15.8	71.8	120670	12	ADQ59167	Adq59167 MSI-H car
123	17.2	78.2	736	10	ADK57661	Adk57661 Plant DNA	c 196	15.8	70.9	253	12	ADQ6104	Adq6104 Soybean t
124	17.2	78.2	736	10	ADK57660	Adk57660 Plant DNA	c 197	15.6	70.9	293	12	ADP57680	Adp57680 Soybean c
125	17.2	78.2	741	11	ADM45450	Adm45450 Insect re	c 198	15.6	70.9	321	4	AAH53449	Aah53449 S. epider
126	17.2	78.2	806	11	ADM45686	Adm45686 Insect re	c 199	15.6	70.9	354	6	ABN91324	Abn91324 Staphyloc
127	17.2	78.2	841	11	ADM44879	Adm44879 Insect re	c 200	15.6	70.9	354	13	ADS01080	Adg01080 Staphyloc
128	17.2	78.2	847	11	ADM45447	Adm45447 Insect re	c 201	15.6	70.9	375	3	AAH45166	Aac45166 Arabidops
129	17.2	78.2	859	11	ADM45065	Adm45065 Insect re	c 202	15.6	70.9	453	6	ABL93846	Ab193846 Arabidops
130	17.2	78.2	924	10	ADC75566	Adc75566 DNA homol	c 203	15.6	70.9	471	6	ABL93405	Ab193405 Arabidops
131	17.2	78.2	958	10	ADC76165	Adc76165 DNA homol	c 204	15.6	70.9	503	10	ADE81601	Ade81601 Arabidops
132	17.2	78.2	1959	3	AAA07582	Aaa07582 Marigold	c 205	15.6	70.9	546	3	AAH48432	Aac48432 Arabidops
133	16.8	76.4	203	11	ADM45126	Adm45126 Insect re	c 206	15.6	70.9	546	3	AAH48433	Aac48433 Arabidops
134	16.8	76.4	110000	6	ADN73596	Continuation (8 of	c 207	15.6	70.9	546	12	ADN73596	Adn73596 Thale cre
135	16.4	74.5	624	11	ABD16287	Abd16287 Pseudomon	c 208	15.6	70.9	573	4	ABA61750	Abm61750 Human foe
136	16.4	74.5	1536	11	ABD16136	Abd16136 Pseudomon	c 209	15.6	70.9	573	4	AAH41668	Aah41668 Probe #10
137	16.4	74.5	1557	4	AAH15681	Aah15681 Human cdn	c 210	15.6	70.9	573	4	ABA29373	Abm29373 Probe #78
138	16.4	74.5	1557	11	ABD16411	Abd16411 Pseudomon	c 211	15.6	70.9	573	4	AAK35954	Aak35954 Human bon
139	16.4	74.5	1560	4	AAK66170	Aak66170 Human imm	c 212	15.6	70.9	573	4	AAK10060	Aak10060 Human bra
140	16.2	73.6	231	12	ADP57559	Adp57559 Soybean c	c 213	15.6	70.9	573	4	ABS35658	Abs35658 Human liv
141	16.2	73.6	238	12	ADP57566	Adp57566 Soybean c	c 214	15.6	70.9	573	6	ABS10158	Abs10158 Human gen
142	16.2	73.6	257	12	ADP57326	Adp57326 Soybean c	c 215	15.6	70.9	599	10	ABX56841	Abx56841 Arabidops
143	16.2	73.6	364	2	AAQ80917	Aaq80917 Spruce tr	c 216	15.6	70.9	599	3	AAH47674	Aac47674 Arabidops
144	16.2	73.6	622	10	ADD17683	Add17683 DNA (Seqi	c 217	15.6	70.9	600	3	AAH43137	Aac43137 Arabidops
145	16.2	73.6	622	10	ADK56263	Adk56263 Plant DNA	c 218	15.6	70.9	600	8	ACA63072	Aca63072 A. thalia
146	16.2	73.6	622	10	ADK57288	Adk57288 Plant DNA	c 219	15.6	70.9	618	3	ACA49295	Aac49295 Arabidops
147	16.2	73.6	744	4	ABL27153	Ab127153 Drosophil	c 220	15.6	70.9	618	5	ABV60888	Abv60888 Human pro
148	16.2	73.6	1045	3	AAF14588	Aaf14588 Aspergill	c 221	15.6	70.9	632	6	ABQ66100	Abq66100 Arabidops
149	16.2	73.6	2000	10	ADC08578	Adc08578 Rice gill	c 222	15.6	70.9	639	11	ADM45122	Adm45122 Insect re
150	16.2	73.6	2000	10	ACC60813	Acc60813 Gene sequ	c 223	15.6	70.9	639	11	ADM45116	Adm45116 Insect re
151	16.2	73.6	2000	10	ADK62033	Adk62033 Disease t	c 224	15.6	70.9	681	6	ABQ65767	Abq65767 Arabidops
152	16.2	73.6	2510	4	ABL27146	Ab127146 Drosophil	c 225	15.6	70.9	724	6	ABK30640	Abk30640 Plant dwa
153	16.2	73.6	2791	10	ABL22182	Ab122182 Drosophil	c 226	15.6	70.9	724	6	ABK30640	Abk30640 Plant dwa
154	16.2	73.6	2791	10	ABL22182	Ab122182 Drosophil	c 227	15.6	70.9	726	6	ABK30788	Abk30788 Plant dwa
155	16.2	73.6	2877	4	ABL05176	Ab105176 Drosophil	c 228	15.6	70.9	727	11	ADM44972	Adm44972 Insect re
156	16.2	73.6	2990	4	ABL27152	Ab127152 Drosophil	c 229	15.6	70.9	741	11	ADM45551	Adm45551 Insect re
157	16.2	73.6	3189	8	ACA45362	Aca45362 Prokaryot	c 230	15.6	70.9	745	11	ADM45553	Adm45553 Insect re
158	16.2	73.6	3242	4	ABL27148	Ab127148 Drosophil	c 231	15.6	70.9	765	11	ABD11899	Abd11899 Pseudomon
159	16.2	73.6	5814	4	ABL23640	Ab123640 Drosophil	c 232	15.6	70.9	767	6	ABN99163	Abn99163 Arabidops
160	16.2	73.6	5834	4	ABL18746	Ab118746 Drosophil	c 233	15.6	70.9	771	5	ABN67600	Abn67600 C glutam
161	16.2	73.6	11477	4	ABL17946	Ab117946 Drosophil	c 234	15.6	70.9	771	6	ABN99150	Abn99150 Arabidops
162	16.2	73.6	12600	4	ABL17948	Ab117948 Drosophil	c 235	15.6	70.9	780	6	ABN99112	Abn99112 Arabidops
163	16.2	73.6	12600	4	ABL17952	Ab117952 Drosophil	c 236	15.6	70.9	894	6	ABN98717	Abn98717 Arabidops
164	16.2	73.6	12600	4	ABL27368	Ab127368 Drosophil	c 237	15.6	70.9	934	8	ABQ83212	Abq83212 Coffee rb
165	16.2	73.6	37091	4	ABL14244	Ab114244 Drosophil	c 238	15.6	70.9	999	10	ADK64181	Adk64181 Disease t
166	16.2	73.6	177587	11	ACN44806	Acn44806 Human gen	c 239	15.6	70.9	999	11	ABD11950	Abd11950 Pseudomon

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 31.4374 Seconds  
(without alignments)

4142.654 Million cell updates/sec

Title: US-09-912-968A-7

Perfect score: 22

Sequence: 1 caacgttcgtaagtcaatgc 22

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 4390206 seqs, 2959870667 residues

Total number of hits satisfying chosen parameters: 8780412

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 500 summaries

Database : N\_Geneseq\_16Dec04:\*

- 1: Geneseqn1980s:\*
- 2: Geneseqn1990s:\*
- 3: Geneseqn2000s:\*
- 4: Geneseqn2001as:\*
- 5: Geneseqn2001bs:\*
- 6: Geneseqn2002as:\*
- 7: Geneseqn2002bs:\*
- 8: Geneseqn2003as:\*
- 9: Geneseqn2003bs:\*
- 10: Geneseqn2003cs:\*
- 11: Geneseqn2003ds:\*
- 12: Geneseqn2004as:\*
- 13: Geneseqn2004bs:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query %	Match	Length	DB	ID	Description
1	22	100.0	22	6	ABN84493		Abn84493 Arabidops
2	22	100.0	197	3	AAX288564		Aax288564 PLRV cDNA
3	22	100.0	632	6	ABN83922		Abn83922 E9 3'term
4	22	100.0	761	12	ADO03550		Ado03550 Thalecres
5	22	100.0	824	12	ADO03552		Ado03552 Thalecres
6	22	100.0	835	12	ADO03546		Ado03546 Thalecres
7	22	100.0	1008	10	ADE37162		Ad37162 plant yle
8	22	100.0	1008	12	ADI41630		Adi41630 plant tra
9	22	100.0	1008	12	ADO01896		Ado01896 Thalecres
10	22	100.0	1147	4	AAD06461		Aad06461 Arabidops
11	22	100.0	1998	8	ABV76269		Abv76269 Expressio
12	22	100.0	2208	2	AAQ39180		Aaq39180 Truncated
13	22	100.0	3706	13	ADR49368		Adr49368 H7-1 tran
14	22	100.0	3778	13	ADR49367		Adr49367 Vector pv
15	22	100.0	6128	9	ACC85050		Acc85050 Inducible
16	22	100.0	7129	10	ADB97423		Ad97423 DNA deriv
17	22	100.0	8012	2	AAX57305		Aax57305 Sugar bee
18	22	100.0	8418	2	AAX57309		Aax57309 Sugar bee
19	22	100.0	8798	2	AAX57308		Aax57308 Sugar bee
20	22	100.0	10846	6	AB854336		Ab854336 E. coli f

21	22	100.0	10847	2	AAX08923		Aax08923 Vector co
22	22	100.0	10900	6	AAX08924		Aax08924 Vector co
23	22	100.0	10900	2	AB554337		Ab554337 E. coli f
24	22	100.0	11522	6	ABK89709		Abk89709 Oestrogen
25	22	100.0	11606	12	ADQ13598		Adq13598 Plasmid p
26	22	100.0	12304	8	ABV75876		Abv75876 Luciferas
c	27	22	100.0	12497	4	ABV75875	Abv75875 Luciferas
28	22	100.0	12614	8	AAC66931		Aac66931 Plant sig
29	21	95.5	937	4	AAD06469		Aad06469 Arabidops
30	21	95.5	937	10	ADD55739		Add55739 Thalecres
31	21	95.5	937	12	ADO01840		Ado01840 Thalecres
32	21	95.5	961	12	ADO03542		Ado03542 Thalecres
33	19.4	88.2	355	11	ADM44654		Adm44654 Insect re
34	19.4	88.2	618	10	ADC76975		Adc76975 DNA homol
35	19.4	88.2	618	10	ADC75104		Adc75104 Poppy phy
36	19.4	88.2	618	10	ADC75565		Adc75565 DNA homol
37	19.4	88.2	626	11	ADM45193		Adm45193 Insect re
38	19.4	88.2	649	10	ADK54466		Adk54466 Plant DNA
39	19.4	88.2	649	10	ADK57647		Adk57647 Plant DNA
40	19.4	88.2	649	11	ADM45453		Adm45453 Insect re
41	19.4	88.2	677	11	ADM45205		Adm45205 Insect re
42	19.4	88.2	762	10	ADK54329		Adk54329 Plant DNA
43	19.4	88.2	764	10	ADK56736		Adk56736 Plant DNA
44	19.4	88.2	1878	10	ADK57663		Adk57663 Plant DNA
45	19.4	88.2	3580	11	ADM44839		Adm44839 Insect re
46	19	86.4	854	12	ADO03548		Ado03548 Thalecres
c	47	18.8	85.5	276	12	ADP57220	Adp57220 Soybean c
48	18.8	85.5	654	10	ADK57659		Adk57659 Plant DNA
49	18.8	85.5	655	11	ADM45154		Adm45154 Insect re
50	18.8	85.5	683	10	ADK54330		Adk54330 Plant DNA
51	18.8	85.5	737	10	ADK57662		Adk57662 Plant DNA
52	18.8	85.5	737	10	ADK58383		Adk58383 Plant DNA
53	18.8	85.5	738	10	ADK54333		Adk54333 Plant DNA
54	18.8	85.5	753	10	ADK58381		Adk58381 Plant DNA
55	18.8	85.5	754	10	ADK57645		Adk57645 Plant DNA
56	18.8	85.5	789	11	ADM44820		Adm44820 Insect re
57	18.8	85.5	811	11	ADM45377		Adm45377 Insect re
58	18.8	85.5	834	11	ADM44819		Adm44819 Insect re
59	17.8	80.9	204	6	ABN77145		Abn77145 Human iso
60	17.8	80.9	594	11	ADM45192		Adm45192 Insect re
61	17.8	80.9	594	11	ADM44653		Adm44653 Insect re
62	17.8	80.9	629	10	ADK52842		Adk52842 Plant DNA
c	63	17.8	80.9	629	11	ADM44652	Adm44652 Insect re
64	17.8	80.9	1254	12	ADM36216		Adm36216 Murine SS
65	17.8	80.9	2674	13	ADR49482		Adr49482 Mouse end
c	66	17.8	16811	10	ADB48725		Adb48725 Human gen
c	67	17.8	16811	10	ADD47385		Add47385 Human gen
68	17.2	78.2	162	12	ADP57644		Adp57644 Soybean c
69	17.2	78.2	165	12	ADP57620		Adp57620 Soybean c
70	17.2	78.2	230	12	ADP57480		Adp57480 Soybean c
71	17.2	78.2	240	12	ADP57539		Adp57539 Soybean c
72	17.2	78.2	241	12	ADP57473		Adp57473 Soybean c
73	17.2	78.2	247	12	ADP57380		Adp57380 Soybean c
74	17.2	78.2	247	12	ADP57359		Adp57359 Soybean c
75	17.2	78.2	249	12	ADP57324		Adp57324 Soybean c
76	17.2	78.2	249	12	ADP57353		Adp57353 Soybean c
77	17.2	78.2	250	12	ADP57357		Adp57357 Soybean c
78	17.2	78.2	251	12	ADP57349		Adp57349 Soybean c
79	17.2	78.2	252	12	ADP57586		Adp57586 Soybean c
80	17.2	78.2	253	12	ADP57347		Adp57347 Soybean c
81	17.2	78.2	253	12	ADP57347		Adp57347 Soybean c
82	17.2	78.2	253	12	ADP57322		Adp57322 Soybean c
83	17.2	78.2	258	12	ADP57310		Adp57310 Soybean c
84	17.2	78.2	258	12	ADP57314		Adp57314 Soybean c
85	17.2	78.2	259	12	ADP57276		Adp57276 Soybean c
86	17.2	78.2	259	12	ADP57373		Adp57373 Soybean c
87	17.2	78.2	261	12	ADP57587		Adp57587 Soybean c
88	17.2	78.2	266	12	ADP57267		Adp57267 Soybean c
89	17.2	78.2	266	12	ADP57445		Adp57445 Soybean c
90	17.2	78.2	267	12	ADP57264		Adp57264 Soybean c
91	17.2	78.2	267	12	ADP57301		Adp57301 Soybean c
92	17.2	78.2	267	12	ADP57568		Adp57568 Soybean c
93	17.2	78.2	269	12	ADP57312		Adp57312 Soybean c

93	17.8	80.9	1254	10	AY548112	AY548112 Mus muscu	c 166	17.2	78.2	152520	2	CR812484	CR812484
94	17.8	80.9	1829	10	BC024505	BC024505 Mus muscu	c 167	17.2	78.2	161841	2	AC117653	AC117653 Mus muscu
95	17.8	80.9	2254	10	BC036155	BC036155 Mus muscu	c 168	17.2	78.2	187218	9	AC087174	AC087174 Homo sapi
c 96	17.8	80.9	2407	5	AB009074	AB009074 Triakis a	c 169	17.2	78.2	188002	9	AC008069	AC008069 Homo sapi
97	17.8	80.9	2589	10	BC046789	BC046789 Mus muscu	c 170	17.2	78.2	192050	2	AC069334	AC069334 Homo sapi
98	17.8	80.9	2636	10	BC046789	BC046789 Mus muscu	c 171	17.2	78.2	192050	2	AC069334	AC069334 Homo sapi
99	17.8	80.9	2674	10	BC046789	BC046789 Mus muscu	c 172	17.2	78.2	192050	2	AC069334	AC069334 Homo sapi
100	17.8	80.9	3024	8	CIP6RS	BC016252 Mus muscu	c 173	17.2	78.2	224386	2	AC099090	AC099090 Rattus no
101	17.8	80.9	39215	3	CDX1054	L10213 Mesembryant	c 174	17.2	78.2	236021	2	AC133388	AC133388 Rattus no
102	17.8	80.9	110000	8	CR382122_06	74030 Caenorhabdi	c 175	17.2	78.2	251856	2	AC098056	AC098056 Rattus no
103	17.8	80.9	110000	8	CR382122_06	Continuation (12 o	c 176	17.2	78.2	266131	2	AC114868	AC114868 Rattus no
104	17.8	80.9	184111	2	AC110142	Continuation (7 of	c 177	17.2	78.2	270633	2	AC128355	AC128355 Rattus no
105	17.8	80.9	204926	2	AC110142	AC10142 Rattus no	c 178	17.2	78.2	309000	1	AP005939	AP005939 Bradyrhiz
c 106	17.8	80.9	212046	2	AC131582	AC128263 Rattus no	c 179	17.2	78.2	335862	1	AP005089	AP005089 Vibrio pa
107	17.8	80.9	215278	10	AC069562	AC131582 Mus muscu	c 180	16.8	76.4	825	3	AF337016	AF337016 Ciona int
c 108	17.8	80.9	255367	2	AC121743	AC069562 Mus muscu	c 181	16.8	76.4	93795	8	AC113332	AC113332 Rattus no
c 109	17.4	79.1	312	8	AY185117	AC121743 Rattus no	c 182	16.8	76.4	93795	8	AC113332	AC113332 Rattus no
c 110	17.4	79.1	85368	9	AC073516	AY185117 Brassica	c 183	16.8	76.4	1183	3	AF303251	AF303251 Caenorhab
c 111	17.4	79.1	97982	8	AC140722	AC073516 Homo sapi	c 184	16.8	76.4	21816	3	CS47478	AL009246 Caenorhab
c 112	17.4	79.1	112516	9	AC080079	AC140722 Medicago	c 185	16.8	76.4	25313	1	U5014227	AE014227 Streptoco
113	17.4	79.1	176787	2	AC021374	AC080079 Homo sapi	c 186	16.8	76.4	26411	3	U23486	U23486 Caenorhabdi
114	17.4	79.1	220579	9	AC130456	AC021374 Homo sapi	c 187	16.8	76.4	33496	3	U23484	U23484 Caenorhabdi
115	17.4	79.1	220633	9	HU91321	AC130456 Homo sapi	c 188	16.8	76.4	63771	6	AX602200	AX602200 Sequence
116	17.2	78.2	342	8	PM083379	U91321 Human Chrom	c 189	16.8	76.4	110000	8	CR382130_34	Continuation (35 o
117	17.2	78.2	453	8	TOBRBPC	U83979 Populus max	c 190	16.8	76.4	141036	2	AF003941	AF003941 Oryza sat
118	17.2	78.2	515	8	AF411547	JO1308 Nicotiana s	c 191	16.8	76.4	141036	2	AF003941	AF003941 Oryza sat
119	17.2	78.2	660	8	CNS0181Q	AF411547 Medicago	c 192	16.8	76.4	163023	2	AC091526	AC091526 Trypanoso
120	17.2	78.2	677	8	AF044397	AL114282 Botrytis	c 193	16.8	76.4	165630	8	AP003617	AP003617 Oryza sat
121	17.2	78.2	680	8	CIPRBCS2	AF044397 Flaveria	c 194	16.8	76.4	166679	2	AC105366	AC105366 Rattus no
122	17.2	78.2	686	8	RO8428877	M39316 Mesembryant	c 195	16.8	76.4	167050	1	SAG768847	AL768847 Streptoco
123	17.2	78.2	721	8	FPU29937	AJ428877 Rumex obt	c 196	16.8	76.4	180366	2	CR753867	CR753867 Dancio rer
124	17.2	78.2	731	8	FPU29937	AJ131050 Cicer ari	c 197	16.8	76.4	180461	1	AF250878	AF250878 Salmonell
125	17.2	78.2	732	8	AF056315	U29937 Flaveria pr	c 198	16.8	76.4	188969	2	CR735112	CR735112 Dancio rer
126	17.2	78.2	743	8	FPU29939	AF056315 Medicago	c 199	16.8	76.4	197615	5	BX470161	BX470161 Zebrafish
127	17.2	78.2	746	8	FPU29935	U29939 Flaveria pr	c 200	16.8	76.4	218160	1	STVPHCM1	AL513383 Salmonell
128	17.2	78.2	750	8	AF303939	U29935 Flaveria pr	c 201	16.8	76.4	227595	10	AC111275	AC111275 Rattus no
129	17.2	78.2	761	8	AJ8433975	AF303939 Glycine m	c 202	16.8	76.4	238819	2	CR391942	CR391942 Dancio rer
130	17.2	78.2	765	8	GMU39567	AJ8433975 Plantago	c 203	16.8	76.4	249884	2	AC107121	AC107121 Rattus no
131	17.2	78.2	772	8	AF303941	U39567 Glycine max	c 204	16.8	76.4	299850	1	AP001514	AP001514 Bacillus
132	17.2	78.2	782	8	AF139469	M13544 Tomato (L.e	c 205	16.8	76.4	302150	1	AP001510	AP001510 Bacillus
133	17.2	78.2	796	8	NSRUB1	AF139469 Vigna rad	c 206	16.8	76.4	349880	6	CQ655059	CQ655059 Sequence
134	17.2	78.2	806	8	AJ8433972	X01722 Nicotiana s	c 207	16.8	76.4	349880	6	CQ655059	CQ655059 Sequence
135	17.2	78.2	806	8	AY220079	AJ8433972 Plantago	c 208	16.4	74.5	461	6	CQ687933	CQ687933 Sequence
136	17.2	78.2	812	8	CUSSU	AY220079 Nicotiana	c 209	16.4	74.5	495	6	CQ687933	CQ687933 Sequence
137	17.2	78.2	830	8	AF303940	M16056 Cucumbr SS	c 210	16.4	74.5	1481	3	AK113758	AK113758 Ciona int
138	17.2	78.2	1027	8	TOBRBCSC	AF303940 Glycine m	c 211	16.4	74.5	1557	6	BD157673	BD157673 Primer fo
139	17.2	78.2	1054	8	LERBCS3B	M13544 Tomato (L.e	c 212	16.4	74.5	1557	6	AX879139	AX879139 Sequence
140	17.2	78.2	1069	8	GTU39857	X05985 Tomato rbcS	c 213	16.4	74.5	1557	6	AX879139	AX879139 Sequence
141	17.2	78.2	1089	8	GSU39856	U39857 Glycine tom	c 214	16.4	74.5	1686	3	AK115047	AK115047 Ciona int
142	17.2	78.2	1261	8	BT012936	U39856 Glycine soj	c 215	16.4	74.5	4214	1	AF234375	AF234375 Escherich
143	17.2	78.2	1341	8	LERBCS3C	BT012936 Lycopersi	c 216	16.4	74.5	7035	1	AF231986	AF231986 Escherich
c 144	17.2	78.2	1471	8	AY099484	X05986 Tomato rbcS	c 217	16.4	74.5	10188	1	AE004693	AE004693 Pseudomon
145	17.2	78.2	1520	8	LEPRBC3A	AY099484 Tagetes e	c 218	16.4	74.5	28737	3	CET0666	Z81587 Caenorhabdi
146	17.2	78.2	1601	8	GMURBP	X05984 Tomato rbcS	c 219	16.4	74.5	35631	1	AX536429	AX536429 Escherich
c 147	17.2	78.2	1906	8	AF251017	V00458 Glycine max	c 220	16.4	74.5	81609	8	AC027035	AC027035 Arabidops
c 148	17.2	78.2	1959	6	AR152412	AF251017 Tagetes e	c 221	16.4	74.5	90632	8	AC021045	AC021045 Arabidops
c 149	17.2	78.2	1959	6	BD247533	AR152412 Sequence	c 222	16.4	74.5	93399	1	AB021078	AB021078 plasmid C
150	17.2	78.2	2185	8	SOYRUBPA	BD247533 Method fo	c 223	16.4	74.5	110000	1	AE016827_09	Continuation (10 o
151	17.2	78.2	2293	8	NPRBCS8B	M16889 Soybean rib	c 224	16.4	74.5	142915	9	AC105288	AC105288 Homo sapi
152	17.2	78.2	2293	8	TOBRBCS8B	X13711 Nicotiana p	c 225	16.4	74.5	142915	9	AC105288	AC105288 Homo sapi
153	17.2	78.2	2362	8	NTRUBS	M3685 N.plumbagin	c 226	16.4	74.5	217807	2	AC117034	AC117034 Rattus no
c 154	17.2	78.2	2671	8	CIP2RSS	X03353 Tobacco gen	c 227	16.4	74.5	250466	2	AC125924	AC125924 Rattus no
c 155	17.2	78.2	2760	8	SOATPD	L10214 Mesembryant	c 228	16.2	73.6	165	6	AR498325	AR498325 Sequence
156	17.2	78.2	4124	8	TOBRBCO	M61362 Spinach atp	c 229	16.2	73.6	165	6	AR513607	AR513607 Sequence
c 157	17.2	78.2	94169	9	AX842635	D1112 Tomato ribu	c 230	16.2	73.6	540	8	AY224053	AY224053 Zea mays
c 158	17.2	78.2	97199	9	BC016480	BM842635 Neurospor	c 231	16.2	73.6	553	6	AR499592	AR499592 Sequence
c 159	17.2	78.2	110000	1	CP000010_16	AC016480 Homo sapi	c 232	16.2	73.6	601	11	BV187370	BV187370 sqm15407
c 160	17.2	78.2	110000	1	CP000010_16	Continuation (27 o	c 233	16.2	73.6	744	8	CIPRBCS4	CQ610212 Sequence
c 161	17.2	78.2	110000	1	CP000010_16	Continuation (17 o	c 234	16.2	73.6	747	8	CIPRBCS3	M38318 Mesembryant
c 162	17.2	78.2	110572	2	AC147741	Continuation (4 of	c 235	16.2	73.6	765	8	CIPRBCS3	M38317 Mesembryant
c 163	17.2	78.2	112032	2	AC145221	AC147741 Medicago	c 236	16.2	73.6	776	8	CIPRBC	M31640 Ice plant r
c 164	17.2	78.2	135173	9	AC008806	AC145221 Medicago	c 237	16.2	73.6	835	8	AF162210	AF162210 Lactuca s
c 165	17.2	78.2	144641	2	AC116530	AC008806 Homo sapi	c 238	16.2	73.6				



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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 264.464 Seconds  
(without alignments)  
4030.848 Million cell updates/sec

Title: US-09-912-968A-7

Perfect score: 22

Sequence: 1 caacgttcgtaagtcaatgc 22

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 4708233 seqs, 2422767955 residues

Total number of hits satisfying chosen parameters: 9416466

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 500 summaries

Database :

GenEmbl: \*

1: gb\_ba: \*  
2: gb\_htg: \*  
3: gb\_in: \*  
4: gb\_ov: \*  
5: gb\_ov: \*  
6: gb\_pat: \*  
7: gb\_ph: \*  
8: gb\_pl: \*  
9: gb\_pr: \*  
10: gb\_ro: \*  
11: gb\_scs: \*  
12: gb\_sy: \*  
13: gb\_un: \*  
14: gb\_vi: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	22	100.0	22	6	AX555235 Sequence 4
2	22	100.0	197	6	IL9656
3	22	100.0	619	6	PEARUBFA
4	22	100.0	632	6	AX463287 Sequence
5	22	100.0	645	8	PEARBCOSS
6	22	100.0	669	8	PEARBPC
7	22	100.0	674	8	PEARUBP2
8	22	100.0	761	8	AY231453
9	22	100.0	824	8	AY231454
10	22	100.0	835	8	AY231451
11	22	100.0	1381	8	PSRBCS3C
12	22	100.0	2061	8	PSRBCS3A
13	22	100.0	2124	6	AR014744
14	22	100.0	2124	6	AR022680
15	22	100.0	2351	8	PSRC01
16	22	100.0	3706	6	CQ867567
17	22	100.0	3778	6	CQ867566
18	22	100.0	8012	6	AR143709
19	22	100.0	8012	6	BD008400

20	22	100.0	8418	6	AR143713	AR143713 Sequence
21	22	100.0	8418	6	BD008404	BD008404 Glyphosat
22	22	100.0	8798	6	AR143712	AR143712 Sequence
23	22	100.0	8798	6	BD008403	BD008403 Glyphosat
24	22	100.0	10212	12	AB086434	AB086434 Synthetic
25	22	100.0	10846	6	AR225313	AR225313 Sequence
26	22	100.0	10846	6	AR438378	AR438378 Sequence
27	22	100.0	10846	6	AR491631	AR491631 Sequence
28	22	100.0	10847	6	BD062173	BD062173 Expressio
29	22	100.0	10856	12	AB086433	AB086433 Synthetic
30	22	100.0	10900	6	AR225314	AR225314 Sequence
31	22	100.0	10900	6	AR438379	AR438379 Sequence
32	22	100.0	10900	6	AR491632	AR491632 Sequence
33	22	100.0	10901	6	BD062174	BD062174 Expressio
34	22	100.0	11522	12	AF309825	AF309825 Plant exp
35	22	100.0	12072	12	AF294981	AF294981 Binary ve
36	22	100.0	12614	6	AX052539	AX052539 Sequence
37	22	100.0	12942	12	AF294982	AF294982 Binary ve
38	22	100.0	14103	12	AF330636	AF330636 Plant DNA
39	22	100.0	14203	12	AF294979	AF294979 Binary ve
40	22	100.0	14230	12	AF294980	AF294980 Binary ve
41	21	95.5	753	8	FPU29936	U29936 Flaveria pr
42	21	95.5	844	8	AY231449	AY231449 Arabidops
43	21	95.5	961	8	AY231448	AY231448 Arabidops
44	20.4	92.7	390	8	TRRUBISCO	X53954 T.repens mr
45	20.4	92.7	532	8	AF044401	AF044401 Flaveria
46	20.4	92.7	534	8	AF044400	AF044400 Flaveria
47	20.4	92.7	608	8	AF044398	AF044398 Flaveria
48	20.4	92.7	629	8	AF044399	AF044399 Flaveria
49	20.4	92.7	735	8	AY267350	AY267350 Flaveria
50	20.4	92.7	743	8	FPU29933	U29933 Flaveria pr
51	20.4	92.7	763	8	FPU29934	U29934 Flaveria pr
52	20.4	92.7	3180	8	MSRBCSKLA	X96847 M.sativa Rb
53	20.4	92.7	3974	8	TRRBCPX	X52933 White clove
54	19.4	88.2	674	8	HARUBISC	X05079 Sunflower m
55	19.4	88.2	1400	8	HARBCS	Y00431 Sunflower r
56	19.4	88.2	2662	8	AY163904	AY163904 Chrysanth
57	19	86.4	854	8	AY231452	AY231452 Arabidops
58	18.8	85.5	212	8	PETRBBCB	M29642 Petunia rib
59	18.8	85.5	251	8	PETRBCC	M29643 Petunia rib
60	18.8	85.5	411	8	AF396697	AF396697 Nicotiana
61	18.8	85.5	490	11	G73713	G73713 RG131R etio
62	18.8	85.5	546	8	POTRBBCS	J03613 Potato (S.t
63	18.8	85.5	574	8	AF044396	AF044396 Flaveria
64	18.8	85.5	591	8	PVRBCS	X59999 P.vulgaris
65	18.8	85.5	723	8	SLARBCS	L26805 Stellaria l
66	18.8	85.5	724	8	FPU29938	U29938 Flaveria pr
67	18.8	85.5	752	8	FTRBCR	X05037 Flaveria tr
68	18.8	85.5	778	8	TOMRBCSD	M15235 Tomato RuBP
69	18.8	85.5	787	8	AY267351	AY267351 Flaveria
70	18.8	85.5	849	8	PVRBCOS	X60000 P.vulgaris
71	18.8	85.5	852	8	AY231456	AY231456 Arabidops
72	18.8	85.5	1032	8	TOMRBCSA	M13542 Tomato (L.e
73	18.8	85.5	1071	8	PVSS15BCO	X57022 P. vulgaris
74	18.8	85.5	1084	8	GTU39858	X39858 Glycine tab
75	18.8	85.5	1314	8	PERBCS11	X03821 Petunia x h
76	18.8	85.5	1337	8	TOERUBPB	M32420 Tobacco rib
77	18.8	85.5	1386	8	STRBCS2C	X69762 S.tuberosum
78	18.8	85.5	1454	8	LERBCS1	X05982 Tomato rbcS
79	18.8	85.5	1594	8	GHRBCS	X54091 G.hirsutum
80	18.8	85.5	1598	8	STRBCS3	X69763 S.tuberosum
81	18.8	85.5	1629	8	STRBCS2	X69760 S.tuberosum
82	18.8	85.5	1703	8	STRBCS2B	X03820 Petunia x h
83	18.8	85.5	2242	8	PERBCS08	AX311198 Sequence
84	17.8	80.9	204	6	AX311198	AX311198 Sequence
85	17.8	80.9	318	8	PETRBCCA	M29641 Petunia rib
86	17.8	80.9	728	8	AF024572	AF024572 Fritillar
87	17.8	80.9	738	8	AF031544	AF031544 Fritillar
88	17.8	80.9	732	8	AF031543	AF031543 Fritillar
89	17.8	80.9	758	8	LAURBCS	DI4001 Lettuce mRN
90	17.8	80.9	784	8	AF024573	AF024573 Fritillar
91	17.8	80.9	798	8	AF024574	AF024574 Fritillar
92	17.8	80.9	801	8	AF065615	AF065615 Capsicum

81	55	8.6	267	11	US-09-987-899-370	Sequence 370, App	154	51.6	8.1	5452	15	US-10-311-455-1122	Sequence 1122, Ap
82	55	8.6	267	11	US-09-987-899-637	Sequence 637, App	155	51.6	8.1	6103	15	US-10-311-455-1663	Sequence 1663, Ap
83	55	8.6	316	11	US-09-987-899-839	Sequence 839, App	156	51.6	8.1	8404	15	US-10-311-455-1568	Sequence 1568, Ap
84	55	8.6	356	11	US-09-987-899-815	Sequence 815, App	157	51.6	8.1	8404	18	US-10-221-714A-222	Sequence 222, App
85	55	8.6	420	18	US-10-424-599-29291	Sequence 29291, A	158	51.6	8.1	14919	18	US-10-221-714A-227	Sequence 227, App
86	55	8.6	812	20	US-10-425-115-10640	Sequence 10640, A	159	51.4	8.1	1619	20	US-10-723-660-6269	Sequence 6269, Ap
87	55	8.6	912	18	US-10-424-599-41058	Sequence 41058, A	160	51.4	8.1	3664	20	US-10-473-126-122	Sequence 122, App
88	55	8.6	1013	18	US-10-424-599-41033	Sequence 41033, A	161	51.4	8.1	3664	20	US-10-473-126-268	Sequence 268, App
89	55	8.6	1237	20	US-10-739-930-3875	Sequence 3875, App	162	51.4	8.1	3664	21	US-10-486-319A-69	Sequence 47, Appl
90	55	8.6	1323	18	US-10-424-599-41037	Sequence 41037, A	163	51.4	8.1	3664	21	US-10-486-319A-69	Sequence 69, Appl
91	55	8.6	6283	15	US-10-311-455-61	Sequence 61, Appl	164	51.4	8.1	6577	18	US-10-221-714A-443	Sequence 443, App
92	54.8	8.6	400	18	US-10-424-599-100577	Sequence 100577, A	165	51.4	8.1	6664	17	US-10-221-613-332	Sequence 332, App
93	54.8	8.6	12007	15	US-10-311-455-690	Sequence 690, App	166	51.4	8.1	10585	15	US-10-240-485-162	Sequence 162, App
94	54.6	8.6	6255	15	US-10-311-455-933	Sequence 933, App	167	51.2	8.0	426	19	US-10-021-323-15875	Sequence 15875, A
95	54.6	8.6	14798	15	US-10-311-455-1005	Sequence 1005, App	168	51.2	8.0	5544	15	US-10-240-485-173	Sequence 173, App
96	54.6	8.6	113515	15	US-10-311-455-2147	Sequence 2147, App	169	51.2	8.0	5544	17	US-10-221-613-403	Sequence 403, App
97	54.2	8.5	724	18	US-10-425-114-8224	Sequence 8224, Ap	170	51.2	8.0	7442	18	US-10-221-714A-409	Sequence 409, App
98	54.2	8.5	725	18	US-10-425-114-11632	Sequence 11632, A	171	51.2	8.0	13038	15	US-10-311-455-1247	Sequence 1247, Ap
99	54.2	8.5	738	18	US-10-425-114-6310	Sequence 6310, App	172	51	8.0	253	11	US-09-987-899-391	Sequence 391, App
100	54.2	8.5	738	18	US-10-425-114-7825	Sequence 7825, App	173	51	8.0	5520	15	US-10-311-455-1492	Sequence 1492, Ap
101	54.2	8.5	746	18	US-10-425-114-7283	Sequence 7283, App	174	51	8.0	5768	15	US-10-311-455-2136	Sequence 2136, Ap
102	54.2	8.5	757	18	US-10-425-114-7407	Sequence 7407, App	175	51	8.0	5822	15	US-10-311-455-1069	Sequence 1069, Ap
103	54.2	8.5	807	18	US-10-424-599-41048	Sequence 41048, A	176	51	8.0	6071	15	US-10-311-455-298	Sequence 298, App
104	54.2	8.5	7455	15	US-10-311-455-1731	Sequence 1731, App	177	51	8.0	6071	17	US-10-221-613-32	Sequence 32, Appl
105	54.2	8.5	9707	15	US-10-311-455-1394	Sequence 1394, App	178	51	8.0	8451	15	US-10-311-455-631	Sequence 631, App
106	54	8.5	767	18	US-10-424-599-70401	Sequence 70401, A	179	51	8.0	8451	17	US-10-257-166-63	Sequence 63, Appl
107	54	8.5	15861	15	US-10-311-455-497	Sequence 497, App	180	51	8.0	8451	18	US-10-240-454-13	Sequence 13, Appl
108	53.8	8.4	1130	20	US-10-425-115-132399	Sequence 132399, A	181	51	8.0	17959	15	US-10-311-455-548	Sequence 548, App
109	53.8	8.4	8222	21	US-10-486-319A-65	Sequence 65, Appl	182	51	8.0	18011	15	US-10-240-452-42	Sequence 42, Appl
110	53.6	8.4	8222	21	US-10-486-319A-43	Sequence 43, Appl	183	51	8.0	18011	15	US-10-311-455-8	Sequence 8, Appli
111	53.4	8.4	250	11	US-09-987-899-426	Sequence 426, App	184	50.8	8.0	6219	15	US-10-311-455-840	Sequence 840, App
112	53.4	8.4	269	11	US-09-987-899-381	Sequence 381, App	185	50.8	8.0	6219	18	US-10-240-454-20	Sequence 20, Appl
113	53.4	8.4	6121	15	US-10-311-455-1947	Sequence 1947, App	186	50.8	8.0	6419	15	US-10-311-455-240	Sequence 240, App
114	53.4	8.4	7231	16	US-10-240-452-24	Sequence 24, Appl	187	50.8	8.0	8962	15	US-10-311-455-659	Sequence 659, App
115	53.2	8.4	6115	15	US-10-311-455-1774	Sequence 1774, Ap	188	50.8	8.0	15674	15	US-10-311-455-336	Sequence 336, App
116	53.2	8.4	6294	15	US-10-311-455-1027	Sequence 1027, App	189	50.8	8.0	15674	15	US-10-240-485-30	Sequence 30, Appl
117	52.8	8.3	4733	19	US-10-433-793-147	Sequence 147, App	190	50.6	7.9	137	9	US-09-770-696-574	Sequence 574, App
118	52.8	8.3	7346	15	US-10-311-455-318	Sequence 318, App	191	50.6	7.9	453	9	US-09-770-444-611	Sequence 611, App
119	52.8	8.3	7334	15	US-10-311-455-2097	Sequence 2097, App	192	50.6	7.9	471	9	US-09-770-444-170	Sequence 170, App
120	52.8	8.3	73334	18	US-10-240-589C-127	Sequence 127, App	193	50.6	7.9	503	10	US-09-770-961-372	Sequence 372, App
121	52.6	8.3	258	11	US-09-987-899-379	Sequence 379, App	194	50.6	7.9	578	9	US-09-770-152-193	Sequence 193, App
122	52.4	8.2	921	20	US-10-425-115-38710	Sequence 38710, A	195	50.6	7.9	632	9	US-09-770-149-677	Sequence 677, App
123	52.4	8.2	937	15	US-10-278-536-97	Sequence 97, Appl	196	50.6	7.9	681	9	US-09-770-149-344	Sequence 344, App
124	52.4	8.2	937	18	US-10-412-699B-253	Sequence 253, App	197	50.6	7.9	724	9	US-09-910-664-55	Sequence 55, Appl
125	52.4	8.2	12177	15	US-10-311-455-624	Sequence 624, App	198	50.6	7.9	724	18	US-10-333-184-54	Sequence 54, Appl
126	52.4	8.2	17137	15	US-10-311-455-163	Sequence 163, App	199	50.6	7.9	726	18	US-10-333-184-202	Sequence 202, App
127	52.4	8.2	17527	15	US-10-311-455-1406	Sequence 1406, App	200	50.6	7.9	762	21	US-10-487-901-1712	Sequence 1712, Ap
128	52.4	8.2	17527	18	US-10-240-454-28	Sequence 28, Appl	201	50.6	7.9	767	9	US-09-770-445-931	Sequence 931, App
129	52.4	8.2	18624	15	US-10-311-455-1676	Sequence 1676, App	202	50.6	7.9	771	9	US-09-770-445-918	Sequence 918, App
130	52.4	8.2	34688	19	US-10-433-793-30	Sequence 90, Appl	203	50.6	7.9	780	9	US-09-770-445-880	Sequence 880, App
131	52.4	8.2	37973	15	US-10-311-455-2169	Sequence 2169, App	204	50.6	7.9	785	9	US-09-770-445-862	Sequence 862, App
132	52.2	8.2	87	17	US-10-205-562-8	Sequence 8, Appli	205	50.6	7.9	1205	9	US-09-770-445-41	Sequence 41, Appl
133	52.2	8.2	5649	15	US-10-311-455-822	Sequence 822, App	206	50.6	7.9	2581	20	US-10-739-930-1173	Sequence 1173, Ap
134	52.2	8.2	5649	17	US-10-257-166-90	Sequence 90, Appl	207	50.6	7.9	7536	15	US-10-311-455-1437	Sequence 1437, Ap
135	52.2	8.2	5649	18	US-10-221-714A-106	Sequence 106, App	208	50.6	7.9	9539	14	US-10-239-676-52	Sequence 52, Appl
136	52.2	8.2	13584	15	US-10-311-455-588	Sequence 588, App	209	50.6	7.9	9539	15	US-10-240-453-54	Sequence 54, Appl
137	52.2	8.2	15743	15	US-10-240-453-270	Sequence 270, App	210	50.6	7.9	9830	17	US-10-221-613-111	Sequence 111, App
138	52.2	8.2	18011	15	US-10-311-455-7	Sequence 7, Appli	211	50.6	7.9	40324	19	US-10-433-793-179	Sequence 179, App
139	52.2	8.2	18434	15	US-10-311-455-1979	Sequence 1979, Ap	212	50.4	7.9	5464	15	US-10-311-455-1889	Sequence 1889, Ap
140	52.2	8.2	37515	19	US-10-433-793-28	Sequence 28, Appl	213	50.4	7.9	6227	15	US-10-311-455-1560	Sequence 1560, Ap
141	52	8.2	138	17	US-10-205-562-7	Sequence 7, Appli	214	50.4	7.9	6227	18	US-10-240-589C-70	Sequence 70, Appl
142	52	8.2	138	17	US-10-205-562-10	Sequence 10, Appl	215	50.4	7.9	7384	15	US-10-311-455-719	Sequence 719, App
143	52	8.2	9084	15	US-10-311-455-1578	Sequence 1578, Ap	216	50.4	7.9	13792	15	US-10-311-455-1543	Sequence 1543, Ap
144	52	8.2	13449	15	US-10-311-455-1357	Sequence 1357, App	217	50.2	7.9	257	18	US-10-424-599-110951	Sequence 110951, A
145	52	8.2	14551	15	US-10-240-485-138	Sequence 138, App	218	50.2	7.9	293	11	US-09-987-899-749	Sequence 749, App
146	52	8.2	21537	15	US-10-311-455-1971	Sequence 1971, App	219	50.2	7.9	574	19	US-10-021-323-11147	Sequence 11147, A
147	51.8	8.1	392	11	US-09-987-899-798	Sequence 798, App	220	50.2	7.9	6775	15	US-10-433-793-190	Sequence 190, App
148	51.8	8.1	8056	20	US-10-473-126-386	Sequence 386, App	221	50.2	7.9	7201	15	US-10-311-455-309	Sequence 309, App
149	51.8	8.1	8622	15	US-10-311-455-2116	Sequence 2116, App	222	50.2	7.9	8056	20	US-10-473-126-240	Sequence 240, App
150	51.8	8.1	11394	15	US-10-240-453-96	Sequence 96, Appl	223	50.2	7.9	17594	15	US-10-311-455-1999	Sequence 1999, Ap
151	51.8	8.1	11732	14	US-10-233-676-95	Sequence 95, Appl	224	50.2	7.9	113515	15	US-10-311-455-2148	Sequence 2148, Ap
152	51.8	8.1	15732	15	US-10-240-453-107	Sequence 107, App	225	50	7.8	408	21	US-10-275-323A-13	Sequence 13, Appl
153	51.6	8.1	390	20	US-10-425-115-124757	Sequence 124757, A	226	50	7.8	4190	15	US-10-311-455-415	Sequence 415, App

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Run on: July 5, 2005, 11:52:57 ; Search time 2834.69 Seconds  
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1409.457 Million cell updates/sec

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Gapop 10.0 , Gapext 1.0

Searched: 6313374 seqs, 3136092125 residues

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

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Pred. No. is the number of results predicted by chance to have a  
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and is derived by analysis of the total score distribution.

#### SUMMARIES

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3	635.4	99.7	10846	18	US-10-705-430-5
4	635.4	99.7	10900	9	US-09-923-109-6
5	635.4	99.7	10900	15	US-10-164-204-6
6	635.4	99.7	10900	18	US-10-705-430-6
7	635.4	99.7	11606	19	US-10-602-475A-9

633	99.4	1998	22	US-10-477-240-8	Sequence 8, Appli
633	99.4	12304	21	US-10-473-945-5	Sequence 5, Appli
633	99.4	12497	21	US-10-473-945-4	Sequence 4, Appli
632	99.2	632	14	US-10-015-637-7	Sequence 7, Appli
631.4	99.1	3706	19	US-10-376-763A-6	Sequence 5, Appli
631.4	99.1	3778	19	US-10-376-763A-5	Sequence 5, Appli
387	60.8	7129	13	US-10-047-542-101	Sequence 101, App
296.8	46.6	11522	14	US-10-052-092-19	Sequence 19, Appl
296.8	46.6	11522	16	US-10-437-107-19	Sequence 19, Appl
296.8	46.6	11522	20	US-10-896-419-19	Sequence 19, Appl
221.4	34.8	1008	17	US-10-225-068-101	Sequence 101, App
221.4	34.8	1008	17	US-10-374-780A-93	Sequence 93, Appl
221.4	34.8	1008	18	US-10-412-699B-309	Sequence 309, App
221.4	34.8	1008	21	US-10-225-068-101	Sequence 101, App
197.6	31.0	2746	21	US-10-871-304-43	Sequence 43, Appl
197.6	31.0	2746	21	US-10-871-304-47	Sequence 47, Appl
197.6	31.0	3328	21	US-10-871-304-42	Sequence 42, Appl
71	11.1	320	9	US-09-682-769B-7	Sequence 7, Appli
71	11.1	320	17	US-10-399-936-7	Sequence 7, Appli
64.4	10.1	718	21	US-10-487-901-5765	Sequence 5765, Ap
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64.4	10.1	736	21	US-10-487-901-5043	Sequence 5043, Ap
63.4	10.0	714	21	US-10-487-901-1703	Sequence 1703, Ap
63.4	10.0	736	21	US-10-487-901-5044	Sequence 5044, Ap
61.4	9.6	5487	15	US-10-311-455-1571	Sequence 1571, Ap
60.8	9.5	17183	15	US-10-311-455-459	Sequence 459, App
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59.2	9.3	704	20	US-10-425-115-85509	Sequence 85509, A
58.8	9.2	961	18	US-10-412-699B-1956	Sequence 1956, Ap
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58	9.1	824	18	US-10-412-699B-1966	Sequence 1966, Ap
58	9.1	7131	17	US-10-221-613-323	Sequence 323, App
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57.6	9.0	17848	15	US-10-240-453-38	Sequence 38, Appl
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56.6	8.9	266	11	US-09-987-899-336	Sequence 336, App
56.6	8.9	3673778	16	US-10-312-841-1	Sequence 1, Appli
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56.4	8.9	3673778	16	US-10-312-841-2	Sequence 2, Appli
55.8	8.8	5145	15	US-10-311-455-321	Sequence 321, App
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55.6	8.7	653	20	US-10-425-115-113520	Sequence 113520,
55.6	8.7	12237	15	US-10-311-455-2331	Sequence 2331, Ap
55.6	8.7	14924	15	US-10-311-455-197	Sequence 197, App
55.6	8.7	14924	16	US-10-240-452-21	Sequence 21, Appl
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55.2	8.7	5182	15	US-10-311-455-930	Sequence 930, App
55.2	8.7	6220	15	US-10-311-455-1273	Sequence 1273, Ap
55.2	8.7	19659	15	US-10-311-455-739	Sequence 739, App
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55	8.6	230	11	US-09-987-899-549	Sequence 549, App
55	8.6	240	11	US-09-987-899-608	Sequence 608, App
55	8.6	241	11	US-09-987-899-542	Sequence 542, App
55	8.6	247	11	US-09-987-899-428	Sequence 428, App
55	8.6	247	11	US-09-987-899-449	Sequence 449, App
55	8.6	249	11	US-09-987-899-393	Sequence 393, App
55	8.6	251	11	US-09-987-899-418	Sequence 418, App
55	8.6	253	11	US-09-987-899-416	Sequence 416, App
55	8.6	261	11	US-09-987-899-656	Sequence 656, App
55	8.6	266	11	US-09-987-899-514	Sequence 514, App

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103	39.6	6.2	601	4	US-09-949-016-169040	Sequence 169040, A	c 176	38.2	6.0	601	4	US-09-949-016-161109	Sequence 161109,
104	39.6	6.2	601	4	US-09-949-016-195400	Sequence 195400, A	c 177	38.2	6.0	30820	4	US-09-949-016-17145	Sequence 17145, A
105	39.6	6.2	711	4	US-09-621-976-17854	Sequence 17854, A	c 178	38.2	6.0	55886	4	US-09-949-016-15129	Sequence 15129, A
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108	39.6	6.2	126200	4	US-09-949-016-11824	Sequence 11824, A	c 181	38.2	6.0	194790	4	US-09-949-016-13504	Sequence 13504, A
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112	39.4	6.2	396	4	US-09-825-294-53	Sequence 53, Appl	c 185	38	6.0	1055	4	US-09-806-708B-23	Sequence 23, Appl
113	39.4	6.2	396	4	US-09-970-966-53	Sequence 53, Appl	c 186	38	6.0	4353	4	US-09-949-016-15302	Sequence 15302, A
114	39.4	6.2	567	4	US-09-270-767-112188	Sequence 12188, A	c 187	38	6.0	66788	4	US-09-949-001-37	Sequence 37, Appl
115	39.4	6.2	6200	3	US-09-439-923-1	Sequence 1, Appl	c 188	38	6.0	94156	4	US-09-949-016-12388	Sequence 12388, A
116	39.4	6.2	6200	4	US-09-711-202A-1	Sequence 1, Appl	c 189	38	6.0	94873	4	US-09-949-016-14277	Sequence 14277, A
117	39.4	6.2	6200	4	US-09-949-016-1429	Sequence 1, Appl	c 190	38	6.0	102406	4	US-09-949-016-14673	Sequence 14673, A
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Listing first 500 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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116	84.4	13.2	659	4	BG457148	NF100C12P	189	78	12.2	660	4	BG458084	NF051H08P
117	84.4	13.2	660	4	BG451310	NF107A04D	190	77.8	12.2	628	2	AW776925	EST335990
118	84.4	13.2	660	4	BG457894	NF033B05P	191	77.8	12.2	628	2	AW981192	EST392386
119	84.4	13.2	662	2	BF005270	EST433768	192	77.6	12.2	609	2	AW981449	EST392611
120	84.4	13.2	668	2	AW776001	EST335066	193	77.4	12.2	211	2	BE248686	NF010B01D
121	84.4	13.2	670	4	BG457807	NF037G04P	194	77.4	12.2	587	2	BF004935	EST434396
122	84.4	13.2	671	4	BI263391	NF090A10P	195	77.4	12.2	604	6	CF068572	EST669293
123	84.4	13.2	672	2	BF637726	NF041A11P	196	77.4	12.2	644	2	AW981232	EST392332
124	84.4	13.2	672	6	CA922153	EST639871	197	77.4	12.2	646	4	BG452893	NF086A07L
125	84.4	13.2	675	2	BF519292	EST456754	198	77.4	12.2	650	4	AW683665	NF017C11L
126	84.4	13.2	677	2	BF520269	EST457739	199	77.4	12.2	650	4	BG449587	NF054E06I
127	84.4	13.2	677	4	BG456238	NF075D09P	200	77.4	12.2	658	2	BF006091	EST434661
128	84.4	13.2	678	2	BF005555	EST434053	201	77.4	12.2	666	2	BF519077	EST456537
129	84.4	13.2	683	2	AW775921	EST334986	C 203	77.4	12.2	666	4	BG455701	NF065B11P
130	84.4	13.2	687	2	AW776582	EST335647	204	77.4	12.2	673	6	CA919375	EST637093
131	84.4	13.2	688	2	BF005233	EST433731	205	77.2	12.1	676	4	BI263279	NF087D09P
132	84.4	13.2	690	2	BF519755	EST457219	206	76.8	12.1	660	4	BI264027	NF024F07P
133	84.4	13.2	691	2	BF005227	EST433725	207	76.4	12.0	521	2	BE324686	NF024D03P
134	84.4	13.2	696	2	BF519720	EST457184	208	76.4	12.0	675	4	BG456993	NF099B08P
135	84.4	13.2	698	2	BF520806	EST458279	209	76.4	12.0	776	6	CF067954	EST668675
136	84.4	13.2	699	2	BF005958	EST434456	210	76.4	12.0	799	5	BQ149031	NF086H04F
137	84.4	13.2	703	2	BF006094	EST434664	C 211	76.4	12.0	832	5	BQ152326	NF0816G02I
138	84.4	13.2	703	5	BQ158155	NF029B01P	212	76.2	12.0	628	2	BF006242	EST434740
139	84.4	13.2	703	5	BQ165471	EST611340	213	76	11.9	487	4	BG456305	BF005695
140	84.4	13.2	704	2	BF005542	EST434040	214	75.8	11.9	587	2	BF005695	EST434193
141	84.4	13.2	711	2	BF005247	EST433745	215	75.8	11.9	588	2	BF005582	EST434080
142	84.4	13.2	737	5	BQ165472	EST611341	216	75.8	11.9	588	2	BF006540	EST435038
143	84.4	13.2	741	2	AW776021	EST335086	217	75.8	11.9	618	2	BE319121	NF044E01L
144	84.4	13.2	753	5	BQ158155	NF029B01P	218	75.8	11.9	623	4	BG449895	NF071A04I
145	84.4	13.2	818	5	BQ148749	NF082B12P	219	75.8	11.9	688	4	BG449570	NF054A08I
146	84.4	13.2	872	5	BQ150602	NF037G07L	220	75.8	11.9	696	2	AW775873	EST334938
147	84.2	13.2	214	6	CD860798	TNE.003B0	221	75.4	11.8	295	2	BE316154	EST334938
148	84.2	13.2	614	4	BG454552	NF112G12L	222	75.2	11.8	629	2	BE318909	NF004F05L
149	83.6	13.1	672	4	BG455264	NF037G07P	223	75.2	11.8	653	4	BI267610	NF110C11I
150	83.4	13.1	94	6	CD860898	TNE.003G1	224	74.8	11.7	650	4	BG453149	NF081G12L
151	83.4	13.1	525	2	BF519923	EST457389	225	74.2	11.6	564	2	BF519556	EST457020
152	83.4	13.1	589	2	BF005038	EST433536	226	74.2	11.6	566	2	AW776057	EST335122
153	83.4	13.1	657	4	BI265737	NF093B12I	227	74.2	11.6	566	2	BF006323	EST434821
154	83.4	13.1	689	2	BF638217	NF045C08P	228	74.2	11.6	568	2	BF004889	EST433450
155	83	13.0	242	4	BI268785	NF015A06G	229	74.2	11.6	577	2	BF005795	EST434293
156	83	13.0	603	4	BI263161	NF085F04P	230	74.2	11.6	585	2	BF519759	EST457295
157	83	13.0	668	2	AW981175	EST392369	231	74.2	11.6	588	2	BF520315	EST457795
158	82.8	13.0	342	2	BE249672	NF020B05L	232	74.2	11.6	622	2	BE318931	NF004H12L
159	82.8	13.0	654	4	BF006090	EST434660	233	74.2	11.6	628	2	BF519048	EST456508
160	82.8	13.0	692	4	BG452551	NF107B07L	234	74.2	11.6	628	2	BF520760	EST458233
161	82.8	13.0	709	2	BF520349	EST457819	235	74.2	11.6	630	4	BI267952	NF115D12I
162	82.6	13.0	532	4	BI271922	NF016C07P	236	74.2	11.6	633	2	BF006470	EST434968
163	82.4	12.9	701	2	BF635117	NF081A11D	237	74.2	11.6	639	2	BF642602	NF072C08I
164	82	12.9	381	2	BE123979	EST394104	238	74.2	11.6	647	4	AW683689	NF017F09L
165	82	12.9	626	4	BG449163	NF033H05I	239	74.2	11.6	652	4	BI267151	NF101D12I
166	81.8	12.8	678	4	BI263960	NF107H07P	240	74.2	11.6	654	2	BG457004	NF069A13P
167	81.4	12.8	662	2	BF632046	NF025E02D	241	74.2	11.6	653	4	BG457004	NF069A13P
168	81.4	12.8	662	4	BG457975	NF037C07P	242	74.2	11.6	662	2	BF638411	NF057H03P
169	81	12.7	267	2	BF249727	NF021B03L	243	74.2	11.6	662	2	BF639086	NF079B12P
170	80.8	12.7	560	2	BF006262	EST434760							

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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 5965.04 Seconds  
(without alignments)  
4064.839 Million cell updates/sec

Title: US-09-912-968A-2  
Perfect score: 637  
Sequence: 1 attcagcttctgttcattc.....cttgcaattgattgacaac 637

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 34239544 seqs, 19032134700 residues  
Total number of hits satisfying chosen parameters: 68479088

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 500 summaries

Database :

EST:\*  
1: gb\_est1:\*  
2: gb\_est2:\*  
3: gb\_hic:\*  
4: gb\_est3:\*  
5: gb\_est4:\*  
6: gb\_est5:\*  
7: gb\_est6:\*  
8: gb\_gsl1:\*  
9: gb\_gsl2:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	170.8	26.8	284	6	CD860971 TNE.003K1
2	169.2	26.6	437	6	CD861014 TNE.003M2
3	163.8	25.7	255	6	CD860695 TE.005K04
4	121.4	19.1	177	6	CD860827 TNE.003C2
5	121	19.0	712	6	CF068126 EST668847
6	118	18.5	335	6	CD861030 TNE.003N1
7	116.2	18.2	363	2	BF638284 NF054A01P
8	115.8	18.2	727	6	CF068644 EST669365
9	115	18.1	191	6	CD861044 TNE.003O1
10	114	17.9	792	5	BQ150308 NF018F03L
11	114	17.9	809	5	BQ150873 NF064G08L
12	113.8	17.9	476	4	BG451570 NF110E09D
13	113.4	17.8	155	6	CD860783 TNE.003A0
14	113.4	17.8	176	6	CD860921 TNE.003H2
15	113.4	17.8	176	6	CD860933 TNE.003I1
16	113.2	17.8	513	2	BF637260 NF073D06L
17	112.6	17.7	499	6	CD860270 PW.010C05
18	112.2	17.6	710	2	BF521219 EST458767
19	112.2	17.6	710	2	AW776329 EST335394
20	112.2	17.6	710	2	BF005915 EST434413
21	112	17.6	810	5	BQ145176 NF011C11G
22	111	17.4	480	2	BF637518 NF029F05P
23	110.8	17.4	795	5	BQ145040 NF012B07D
24	109.4	17.2	700	2	BF521408 EST458884



94	55.4	8.7	834	11	ADM44819	Insect re	167	52	8.2	14551	7	ADS99846	Complemen
95	55.4	8.7	6131	6	ABL32891	Human imm	168	52	8.2	21537	6	ABL33998	Human imm
96	55.2	8.7	267	12	ADP57264	Soybean c	169	51.8	8.1	392	12	ADP57729	Soybean c
97	55.2	8.7	5182	6	ABL32957	Human imm	170	51.8	8.1	8056	8	ABL10246	Haematopo
98	55.2	8.7	6220	6	ABL33300	Human imm	171	51.8	8.1	8622	6	ABL34143	Human imm
99	55.2	8.7	19659	6	ABL32766	Human imm	172	51.8	8.1	8900	13	ADS98686	Oligonuc1
100	55	8.6	162	12	ADP57644	Soybean c	173	51.8	8.1	9742	6	ABL70480	Chemical
101	55	8.6	230	12	ADP57480	Soybean c	174	51.8	8.1	11394	6	ABL28222	DNA trans
102	55	8.6	240	12	ADP57539	Soybean c	175	51.8	8.1	12639	6	ABL80107	Human che
103	55	8.6	241	12	ADP57473	Soybean c	176	51.8	8.1	15732	4	AA545388	Chemical
104	55	8.6	247	12	ADP57380	Soybean c	177	51.8	8.1	15732	6	ABL28233	DNA trans
105	55	8.6	247	12	ADP57359	Soybean c	178	51.6	8.1	5452	6	ABL33149	Human imm
106	55	8.6	249	12	ADP57324	Soybean c	179	51.6	8.1	6103	6	ABL33690	Human imm
107	55	8.6	251	12	ADP57349	Soybean c	180	51.6	8.1	8404	4	AA546500	Tumour su
108	55	8.6	253	12	ADP57347	Soybean c	181	51.6	8.1	8404	6	ABL33595	Human imm
109	55	8.6	261	12	ADP57587	Soybean c	182	51.6	8.1	14919	4	AA546505	Tumour su
110	55	8.6	266	12	ADP57445	Soybean c	183	51.4	8.1	1619	12	ADQ23449	Human sof
111	55	8.6	267	12	ADP57301	Soybean c	184	51.4	8.1	3664	8	ACF62820	Colon can
112	55	8.6	267	12	ADP57568	Soybean c	185	51.4	8.1	3664	8	ACF62798	Colon can
113	55	8.6	316	12	ADP57770	Soybean c	186	51.4	8.1	3664	8	ABL210128	Haematopo
114	55	8.6	356	12	ADP57746	Soybean c	187	51.4	8.1	3664	8	ABL209982	Haematopo
115	55	8.6	6283	6	ABL32088	Human imm	188	51.4	8.1	6577	4	AA546718	Tumour su
116	54.8	8.6	12007	6	ABL32717	Human imm	189	51.4	8.1	6664	6	AA561369	Human gen
117	54.6	8.6	6255	6	ABL32860	Human imm	190	51.4	8.1	6664	10	ADBS4322	Pretrate
118	54.6	8.6	14798	6	ABL33032	Human imm	191	51.4	8.1	6664	10	ADBS4194	Pretrate
119	54.6	8.6	113515	6	ABL34174	Human imm	192	51.4	8.1	18585	7	ADS99870	Complemen
120	54.4	8.5	10467	6	ABL49302	Human pol	193	51.4	8.1	18585	7	ADS99870	Complemen
121	54.2	8.5	7455	6	ABL33758	Human imm	194	51.2	8.0	426	13	ACN61094	Cotton gy
122	54.2	8.5	9707	6	ABL33421	Human imm	195	51.2	8.0	5126	6	ABL70493	Chemical
123	54	8.5	15861	6	ABL32824	Human imm	196	51.2	8.0	5544	6	ABL70493	Chemical
124	53.8	8.4	8222	10	ADBS4318	Pretrate	197	51.2	8.0	5544	6	ABL70477	Chemical
125	53.8	8.4	11222	10	ADBS4318	Pretrate	198	51.2	8.0	5544	6	AA561440	Human gen
126	53.6	8.4	8222	8	ACF62794	Colon can	199	51.2	8.0	5544	7	ADS99881	Bisulphit
127	53.6	8.4	11222	10	ADBS4318	Pretrate	200	51.2	8.0	7442	4	AA546686	Tumour su
128	53.4	8.4	250	12	ADP57357	Soybean c	201	51.2	8.0	13038	6	ABL33274	Human imm
129	53.4	8.4	269	12	ADP57312	Soybean c	202	51	8.0	253	12	ADP57322	Soybean c
130	53.4	8.4	6121	6	ABL33974	Human imm	203	51	8.0	5520	6	ABL33519	Human imm
131	53.4	8.4	7231	6	ABL54324	Chemical	204	51	8.0	5768	6	ABL34163	Human imm
132	53.2	8.4	6131	6	ABL33801	Human imm	205	51	8.0	5822	6	ABL33096	Human imm
133	53.2	8.4	6294	6	ABL33054	Human imm	206	51	8.0	6071	6	ABL32325	Human imm
134	52.8	8.3	4753	6	ABQ67117	Human ang	207	51	8.0	6071	6	AA561076	Human gen
135	52.8	8.3	7346	6	ABL32345	Human imm	208	51	8.0	8451	6	ABL33981	Human che
136	52.8	8.3	73334	6	ABL34124	Human imm	209	51	8.0	8451	6	ABL32658	Human imm
137	52.8	8.3	73334	6	ABL92318	Chemical	210	51	8.0	8451	6	AA563318	Chemical
138	52.6	8.3	258	12	ADP57310	Soybean c	211	51	8.0	17959	6	ABL32575	Human imm
139	52.4	8.2	937	4	ADP06469	Arabidops	212	51	8.0	17959	6	ABL54342	Chemical
140	52.4	8.2	937	10	ADP55739	Thalecres	213	51	8.0	18011	6	ABL32035	Human imm
141	52.4	8.2	937	12	ADP55739	Thalecres	214	50.8	8.0	6219	6	ABL32967	Human imm
142	52.4	8.2	12177	6	ABL32651	Human imm	215	50.8	8.0	6219	6	AA563325	Chemical
143	52.4	8.2	17137	6	ABL32190	Human imm	216	50.8	8.0	6419	6	ABL32267	Human imm
144	52.4	8.2	17527	6	ABL33433	Human imm	217	50.8	8.0	8962	6	ABL32686	Human imm
145	52.4	8.2	17527	6	AA563333	Chemical	218	50.8	8.0	15674	6	ABL32363	Human imm
146	52.4	8.2	18624	6	ABL333703	Human imm	219	50.8	8.0	15674	6	ABL32363	Human imm
147	52.4	8.2	34688	6	ABQ67060	Human ang	220	50.8	8.0	15674	6	ABL34477	Human met
148	52.4	8.2	37973	6	ABL34196	Human imm	221	50.8	8.0	15674	6	ABL70514	Chemical
149	52.2	8.2	5649	4	AA546384	Tumour su	222	50.6	7.9	453	6	ABL93846	Complemen
150	52.2	8.2	5649	6	ABL40008	Human che	223	50.6	7.9	471	6	ABL93405	Arabidops
151	52.2	8.2	5649	6	ABL32849	Human imm	224	50.6	7.9	503	10	ADE81601	Arabidops
152	52.2	8.2	5649	10	ADBS4126	Pretrate	225	50.6	7.9	546	3	AA546322	Arabidops
153	52.2	8.2	5649	10	ADBS4254	Pretrate	226	50.6	7.9	546	3	AA546322	Arabidops
154	52.2	8.2	5649	10	ADBS4108	Human lym	227	50.6	7.9	546	12	ADN73596	Thale cre
155	52.2	8.2	5649	10	ADBS4108	Human lym	228	50.6	7.9	578	3	AA546322	Arabidops
156	52.2	8.2	5649	13	ADBS89280	Oligonuc1	229	50.6	7.9	578	10	ABX56841	Arabidops
157	52.2	8.2	5649	13	ADBS89554	Oligonuc1	230	50.6	7.9	599	3	AA546764	Arabidops
158	52.2	8.2	13584	6	ABL32615	Human imm	231	50.6	7.9	632	6	ABQ66100	Arabidops
159	52.2	8.2	15743	6	ABK28396	DNA trans	232	50.6	7.9	639	11	ADM45122	Insect re
160	52.2	8.2	18011	6	ABL32034	Human imm	233	50.6	7.9	639	11	ADM45116	Insect re
161	52.2	8.2	18434	6	ABL34006	Human imm	234	50.6	7.9	681	6	ABQ65767	Arabidops
162	52.2	8.2	37515	6	ABQ66998	Human ang	235	50.6	7.9	724	6	ABL30640	Plant dwa
163	52	8.2	6175	13	ADBS89424	Oligonuc1	236	50.6	7.9	724	6	ABL49453	Sequence
164	52	8.2	9084	6	ABL33605	Human imm	237	50.6	7.9	726	6	ABK30788	Plant dwa
165	52	8.2	13449	6	ABL33384	Human imm	238	50.6	7.9	727	11	ADM44972	Insect re
166	52	8.2	14551	6	ABL34585	Human met	239	50.6	7.9	741	11	ADM45551	Insect re

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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 910.256 Seconds  
(without alignments)  
4142.654 Million cell updates/sec

Title: US-09-912-968A-2

Perfect score: 637

Sequence: 1 attcagcttctgctgtatc.....cttgcaattgattgacaac 637

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 4390206 seqs, 2959870667 residues

Total number of hits satisfying chosen parameters: 8780412

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

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3: Geneseqn2000s:\*

4: Geneseqn2001as:\*

5: Geneseqn2001bs:\*

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8: Geneseqn2003as:\*

9: Geneseqn2003bs:\*

10: Geneseqn2003cs:\*

11: Geneseqn2003ds:\*

12: Geneseqn2004as:\*

13: Geneseqn2004bs:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	635.4	99.7	10846	6	ABSS4336 E. coli f
2	635.4	99.7	10847	2	AAX08923 Vector co
3	635.4	99.7	10900	2	AAX08924 Vector co
4	635.4	99.7	10900	6	ABSS4337 E. coli f
5	635.4	99.7	11606	12	ADQ13598 Plasmid p
6	633	99.4	1998	8	ABV7269 Expressio
7	633	99.4	8012	2	AAX57305 Sugar bee
8	633	99.4	8418	2	AAX57309 Sugar bee
9	633	99.4	8798	2	AAX57308 Sugar bee
10	633	99.4	12304	8	ABV75876 Luciferas
11	633	99.4	12497	8	ABV75875 Luciferas
12	633	99.4	12614	4	AAC66931 Plant sig
13	633	99.2	632	6	ABN83922 E9 3'term
14	631.4	99.1	3706	13	ADR49368 H7-1 tran
15	631.4	99.1	3778	13	ADR49367 Vector pv
16	387	60.8	7129	10	ABE97423 DNA deriv
17	304.2	47.8	1147	4	AAD06461 Arabidops
18	299.2	47.0	6128	9	ACC85050 Inducible
19	296.8	46.6	11522	6	ABK89709 Oestrogen
20	282	44.3	1675	13	ADR46166 Glyphosat

21	221.4	34.8	1008	10	ADSE37162	Adc37162 Plant yie
22	221.4	34.8	1008	12	ADI41630	Adi41630 Plant tra
23	221.4	34.8	1008	12	ADO01896	Ado01896 Thalecres
24	194.6	30.5	6128	9	ACC85050	Acc85050 Inducible
25	187.4	29.4	197	3	AAX288564	Aax288564 PLRV CDNA
26	140	22.0	550	13	ADT03989	Adt03989 Alfalfa g
27	140	22.0	581	13	ADT03985	Adt03985 3' transg
28	75	11.8	5440	3	AAX97522	Aax97522 Plasmid p
29	75	11.8	6861	3	AAX97521	Aax97521 Plasmid p
30	75	11.8	12921	3	AAX97523	Aax97523 Plasmid p
31	71.4	11.2	2208	2	AAX39180	Aax39180 truncated
32	71	11.1	320	6	ABK52604	Abk52604 Upland co
33	64.4	10.1	718	10	ADK58382	Adk58382 Plant DNA
34	64.4	10.1	736	10	ADK54321	Adk54321 Plant DNA
35	64.4	10.1	736	10	ADK57660	Adk57660 Plant DNA
36	63.4	10.0	714	10	ADK54320	Adk54320 Plant DNA
37	63.4	10.0	725	11	ADM44821	Adm44821 Insect re
38	63.4	10.0	736	10	ADK57661	Adk57661 Plant DNA
39	61.4	9.6	5487	6	ABL33598	Ab133598 Human imm
40	60.8	9.5	17183	6	ABL32486	Ab132486 Human imm
41	60.4	9.5	835	12	ADO03546	Ado03546 Thalecres
42	59.4	9.3	859	11	ADM45065	Adm45065 Insect re
43	59.4	9.3	12592	6	AAS61102	Aas61102 Human gen
44	59.2	9.3	632	10	ADC76953	Adc76953 DNA homol
45	58.8	9.2	961	12	ADO03542	Ado03542 Thalecres
46	58.4	9.2	9760	6	ABK31242	Abk31242 Signal tr
47	58.4	9.2	9760	6	ABL70197	Ab170197 Chemicall
48	58.4	9.2	9760	6	AAS61155	Aas61155 Human gen
49	58.2	9.1	614	10	ADC76956	Adc76956 DNA homol
50	58.2	9.1	841	11	ADM44879	Adm44879 Insect re
51	58.2	9.1	847	11	ADM45447	Adm45447 Insect re
52	58	9.1	824	12	ADO03552	Ado03552 Thalecres
53	58	9.1	7131	6	ABK31450	Abk31450 Signal tr
54	58	9.1	7131	6	ABL70427	Ab170427 Chemicall
55	58	9.1	7131	6	AAS61360	Aas61360 Human gen
56	57.8	9.1	331	11	ADM45175	Adm45175 Insect re
57	57.8	9.1	579	11	ADM45168	Adm45168 Insect re
58	57.8	9.1	668	10	ADK59825	Adk59825 Plant DNA
59	57.8	9.1	668	11	ADM45687	Adm45687 Insect re
60	57.8	9.1	684	10	ADC76948	Adc76948 DNA homol
61	57.8	9.1	806	11	ADM45686	Adm45686 Insect re
62	57.8	9.1	924	10	ADC75566	Adc75566 DNA homol
63	57.8	9.1	958	10	ADC76165	Adc76165 DNA homol
64	57.6	9.0	17848	4	AAS45323	Aas45323 Chemicall
65	57.6	9.0	17848	6	ABK39976	Abk39976 Human che
66	57.6	9.0	17848	6	ABK28164	Abk28164 DNA trans
67	57.2	9.0	5424	6	ABL32854	Ab132854 Human imm
68	57	8.9	619	11	ADM45158	Adm45158 Insect re
69	56.8	8.9	6067	6	ABN80089	Abn80089 Human che
70	56.6	8.9	259	12	ADP57373	Adp57373 Soybean c
71	56.6	8.9	266	12	ADP57267	Adp57267 Soybean c
72	56.6	8.9	608	10	ADC76944	Adc76944 DNA homol
73	56.6	8.9	609	10	ADC76965	Adc76965 DNA homol
74	56.6	8.9	615	10	ADC76949	Adc76949 DNA homol
75	56.4	8.9	741	11	ADM45450	Adm45450 Insect re
76	56.4	8.9	15387	6	ABL32184	Ab132184 Human imm
77	55.8	8.8	5145	6	ABL32348	Ab132348 Human imm
78	55.8	8.8	5145	6	ABL34464	Ab134464 Human met
79	55.8	8.8	5145	7	ADL999725	Adl999725 Bisulphit
80	55.8	8.8	10205	6	ABK31274	Abk31274 Signal tr
81	55.8	8.8	10205	6	ABL70235	Ab170235 Chemicall
82	55.6	8.7	12237	6	ABL34358	Ab134358 Human imm
83	55.6	8.7	14924	6	ABL32224	Ab132224 Human imm
84	55.6	8.7	14924	6	ABL54321	Ab154321 Chemicall
85	55.4	8.7	654	10	ADK57659	Adk57659 Plant DNA
86	55.4	8.7	683	10	ADK54330	Adk54330 Plant DNA
87	55.4	8.7	737	10	ADK57662	Adk57662 Plant DNA
88	55.4	8.7	737	10	ADK58383	Adk58383 Plant DNA
89	55.4	8.7	738	10	ADK54333	Adk54333 Plant DNA
90	55.4	8.7	753	10	ADK58381	Adk58381 Plant DNA
91	55.4	8.7	754	10	ADK57645	Adk57645 Plant DNA
92	55.4	8.7	789	11	ADM44820	Adm44820 Insect re
93	55.4	8.7	811	11	ADM45377	Adm45377 Insect re

93	60	9.4	172777	2	CR847809	Danio rer	56.4	8.9	110000	2	PFMAL7P1_01	Continuation (2 of
94	60	9.4	211748	2	CR3922346	Danio rer	56.4	8.9	110000	2	PFMAL7P1_02	Continuation (2 of
95	59.8	9.4	162810	2	CR392028	Danio rer	56.4	8.9	110000	3	AC116305_1	Continuation (3 of
96	59.6	9.4	233491	2	CR762394	Danio rer	56.4	8.9	180861	2	CR391970	CR391970 Danio rer
97	58.6	9.4	254733	3	AC1117075	Dictyoste	56.4	8.9	195319	2	CR388410	CR388410 Danio rer
98	59.4	9.3	12592	6	AX2511797	Sequence	56.4	8.9	271546	3	AE014843	AE014843 Plasmodiu
99	59.4	9.3	80216	2	AC139363	Homo sapi	56.4	8.9	349980	6	AF044563	AF044563 Flaveria
100	59.2	9.3	778	8	TOMRBCSD	M15235 Tomato RuP	56.2	8.8	574	8	AF044396	AF044396 Flaveria
101	59.2	9.3	1376	8	PVSS15B5CO	X69762 S. tuberosum	56.2	8.8	153943	2	AC027417	AC027417 Homo sapi
102	59.2	9.3	1386	8	STRBCS2C	X69762 S. tuberosum	56.2	8.8	157544	9	AC098590	AC098590 Homo sapi
103	59.2	9.3	1454	8	LEBRC51	X05982 Tomato rbcS	56.2	8.8	205544	2	CR847834	CR847834 Danio rer
104	59.2	9.3	99003	2	AL1390756	AL390756 Homo sapi	56.2	8.8	254436	3	AE014827	AE014827 Plasmodiu
105	59.2	9.3	254449	3	AE014817	AE014817 Plasmodiu	56	8.8	490	11	G73713	G73713 RGL3R etio
106	59.2	9.3	256879	3	AC116982	M15235 Tomato RuP	56	8.8	599	8	TOMRBCSB	M15235 Tomato RuP
107	58.8	9.2	251	8	PETRBCC	M29643 Petunia rib	56	8.8	742	8	TOMRBCSE	M05572 Pyrus pyrif
108	58.8	9.2	761	8	AJ8433975	AJ8433975 Plantago	56	8.8	844	8	PYPRBCO	BT013023 Lycopersi
109	58.8	9.2	840	8	CNS0180K	AL110675 Botrytis	56	8.8	1097	8	BT013023	X05983 Tomato rbcS
110	58.8	9.2	844	8	AY2311449	AY2311449 Arabidops	56	8.8	2776	8	LEBRC52	X05983 Tomato rbcS
111	58.8	9.2	961	8	AY2311448	AY2311448 Arabidops	55.8	8.8	5145	6	AX281353	AX281353 Sequence
112	58.8	9.2	1594	8	GHRBCS	AY2311448 Arabidops	55.8	8.8	5145	6	AX345250	AX345250 Sequence
113	58.8	9.2	249138	2	BR005005	BR005005 Danio rer	55.8	8.8	10205	6	AX344270	AX344270 Sequence
114	58.6	9.2	181557	2	CR847945	CR847945 Danio rer	55.8	8.8	10205	6	AX348667	AX348667 Sequence
115	58.4	9.2	9760	6	AX2511852	AX2511852 Sequence	55.8	8.8	333321	3	AC116986	AC116986 Dictyoste
116	58.4	9.2	9760	6	AX3444238	AX3444238 Sequence	55.6	8.7	12029	3	AE001372	AE001372 Plasmodiu
117	58.4	9.2	9760	6	AX348629	AX348629 Sequence	55.6	8.7	12237	6	AX347260	AX347260 Sequence
118	58.4	9.2	61864	3	CEY5088A	AL117200 Caenorhab	55.6	8.7	14924	6	AX281279	AX281279 Sequence
119	58.2	9.1	723	8	SLARB5C	L26605 Stellaria l	55.6	8.7	14924	6	AX345126	AX345126 Sequence
120	58.2	9.1	1598	8	STRBCS3	X69763 S. tuberosum	55.6	8.7	110000	2	PFMAL13_08	Continuation (9 of
121	58.2	9.1	210548	2	CR751608	CR751608 Danio rer	55.6	8.7	166565	2	CR589947	CR589947 Danio rer
122	58	9.1	782	8	AF139469	AF139469 Vigna rad	55.6	8.7	167994	2	AC004688	AC004688 Plasmodiu
123	58	9.1	824	8	AY2311454	AY2311454 Arabidops	55.6	8.7	170832	2	CR376769	CR376769 Danio rer
124	58	9.1	7131	6	AX252062	AX252062 Sequence	55.6	8.7	174992	9	AC148666	AC148666 Macaca mu
125	58	9.1	7131	6	AX344446	AX344446 Sequence	55.6	8.7	196149	2	AC004709	AC004709 Plasmodiu
126	58	9.1	7131	6	AX348859	AX348859 Sequence	55.6	8.7	252650	3	AE014847	AE014847 Plasmodiu
127	58	9.1	257575	3	AE014837	AE014837 Plasmodiu	55.4	8.7	776	8	C1PRBC	M1640 Ice plant r
128	57.8	9.1	753	8	FP029936	U29936 Flaveria pr	55.4	8.7	4654	3	AX160098	AX160098 Dictyoste
129	57.8	9.1	131682	9	AL672277	AL672277 Human DNA	55.4	8.7	6131	6	AX345793	AX345793 Sequence
130	57.8	9.1	169894	2	CR762466	CR762466 Danio rer	55.4	8.7	150197	2	CR394568	CR394568 Danio rer
131	57.8	9.1	252650	3	AE014847	AE014847 Plasmodiu	55.4	8.7	163559	5	AL772329	AL772329 Zebrafish
132	57.6	9.0	17848	6	AX277865	AX277865 Sequence	55.4	8.7	250022	3	AE014824	AE014824 Plasmodiu
133	57.6	9.0	17848	6	AX323550	AX323550 Sequence	55.4	8.7	1054	8	LEBRC53B	X05985 Tomato rbcS
134	57.6	9.0	17848	6	AX348363	AX348363 Sequence	55.2	8.7	4124	8	TOMRBCO	D11112 Tomato ribu
135	57.6	9.0	156035	5	BR005364	BR005364 Zebrafish	55.2	8.7	5182	6	AX345859	AX345859 Sequence
136	57.4	9.0	18166	2	PFMALBPE	AL29364 Plasmodiu	55.2	8.7	6220	6	AX346202	AX346202 Sequence
137	57.4	9.0	156851	2	CR751546	CR751546 Danio rer	55.2	8.7	19659	6	AX345668	AX345668 Sequence
138	57.4	9.0	191771	2	CR318606	CR318606 Danio rer	55.2	8.7	155062	2	BR005172	BR005172 Homo sapi
139	57.4	9.0	227073	2	CR846086	CR846086 Danio rer	55.2	8.7	163930	2	CR847885	CR847885 Danio rer
140	57.4	9.0	250663	3	AE014826	AE014826 Plasmodiu	55.2	8.7	175575	5	AL954307	AL954307 Zebrafish
141	57.2	9.0	2242	8	PERBC508	X03820 Petunia x h	55.2	8.7	199421	9	AL691515	AL691515 Human DNA
142	57.2	9.0	5424	6	AX345756	AX345756 Sequence	55.2	8.7	348174	3	CR382399	CR382399 Plasmodiu
143	57.2	9.0	217063	2	CR749178	CR749178 Danio rer	55	8.6	587	3	AY618916	AY618916 Apis mell
144	57	8.9	178427	8	POPRBCS	J03613 Potato (S.t	55	8.6	589	3	AY618918	AY618918 Apis mell
145	56.8	8.9	546	8	POPRBCS	U29938 Flaveria pr	55	8.6	765	8	GMU39567	U39567 Glycine max
146	56.8	8.9	724	8	FP029938	AB095968 Leishmani	55	8.6	772	8	AF303941	AF303941 Glycine m
147	56.8	8.9	1078	3	AB095968	AB095968 Leishmani	55	8.6	830	8	AF303940	AF303940 Glycine m
148	56.8	8.9	1703	8	STRBC52B	X69761 S. tuberosum	55	8.6	6283	6	AX344990	AX344990 Sequence
149	56.8	8.9	6067	6	AX344681	AX344681 Sequence	55	8.6	148394	2	CR753884	CR753884 Danio rer
150	56.8	8.9	147984	2	AC1414987	AC1414987 Rattus no	55	8.6	177867	2	BR936329	BR936329 Danio rer
151	56.8	8.9	148878	2	CR759816	CR759816 Danio rer	55	8.6	197054	2	CR450840	CR450840 Danio rer
152	56.8	8.9	186979	2	AC005129	AC005129 Plasmodiu	55	8.6	198047	2	CR376763	CR376763 Danio rer
153	56.8	8.9	192929	2	AC005505	AC005505 Plasmodiu	55	8.6	205429	2	AC005506	AC005506 Plasmodiu
154	56.8	8.9	223904	2	CR759864	CR759864 Danio rer	55	8.6	236120	14	AF063866	AF063866 Melanoplu
155	56.8	8.9	250078	3	AE014829	AE014829 Plasmodiu	55	8.6	250621	2	CR792433	CR792433 Danio rer
156	56.8	8.9	250713	3	AE014850	AE014850 Plasmodiu	55	8.6	347582	3	PFMAL4P1	AL034557 Plasmodiu
157	56.8	8.9	256172	3	AC005339	AC005339 Plasmodiu	55	8.6	34980	6	AX344566	AX344566 Sequence
158	56.8	8.9	589	3	AY618917	AY618917 Apis mell	54.8	8.6	853	8	MSCARB	X65494 Malus (unid
159	56.6	8.9	763	8	FP029934	U29934 Flaveria pr	54.8	8.6	6323	3	AF482394	AF482394 Dictyoste
160	56.6	8.9	160357	2	BR927322	BR927322 Danio rer	54.8	8.6	12007	6	AX345619	AX345619 Sequence
161	56.6	8.9	174012	2	CR847512	CR847512 Danio rer	54.6	8.6	532	8	AF044401	AF044401 Flaveria
162	56.6	8.9	207288	2	CR405694	CR405694 Danio rer	54.6	8.6	534	8	AF044400	AF044400 Flaveria
163	56.6	8.9	337203	3	CR382401	CR382401 Plasmodiu	54.6	8.6	608	8	AF044398	AF044398 Flaveria
164	56.6	8.9	349980	6	AX344560	AX344560 Sequence	54.6	8.6	629	8	AF044399	AF044399 Flaveria
165	56.4	8.9	15387	6	AX345086	AX345086 Sequence	54.6	8.6	677	8	AF044397	AF044397 Flaveria

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OM nucleic - nucleic search, using sw model

Run on: July 5, 2005, 11:52:58 ; Search time 7657.44 Seconds  
(without alignments)  
4030.848 Million cell updates/sec

Title: US-09-912-968A-2

Perfect score: 637

Sequence: 1 attcagcttcgttcgtatc.....cttgcaattgattgacaac 637

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 4708233 seqs, 24227607955 residues

Total number of hits satisfying chosen parameters: 9416466

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database :

GenEmbl.\*

1: gb\_ba.\*

2: gb\_hgt.\*

3: gb\_in.\*

4: gb\_om.\*

5: gb\_ov.\*

6: gb\_pat.\*

7: gb\_ph.\*

8: gb\_pl.\*

9: gb\_pr.\*

10: gb\_ro.\*

11: gb\_sts.\*

12: gb\_sy.\*

13: gb\_un.\*

14: gb\_vi.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	635.4	99.7	10846	6	AR225313 Sequence
2	635.4	99.7	10846	6	AR438378 Sequence
3	635.4	99.7	10846	6	AR491631 Sequence
4	635.4	99.7	10847	6	BD062173 Expressio
5	635.4	99.7	10900	6	AR225314 Sequence
6	635.4	99.7	10900	6	AR438379 Sequence
7	635.4	99.7	10900	6	AR491632 Sequence
8	635.4	99.7	10901	6	BD062174 Expressio
9	633	99.4	2351	8	PSRC01
10	633	99.4	8012	6	AR143709 Sequence
11	633	99.4	8012	6	BD008400 Glyphosat
12	633	99.4	8418	6	AR143713 Sequence
13	633	99.4	8418	6	BD008404 Glyphosat
14	633	99.4	8798	6	AR143712 Sequence
15	633	99.4	8798	6	BD008403 Glyphosat
16	633	99.4	12614	6	AX052539 Sequence
17	632	99.2	632	6	AX463287 Sequence
18	631.4	99.1	3706	6	CQ867567 Sequence
19	631.4	99.1	3778	6	CQ867566 Sequence

20	628.2	98.6	645	8	PEARCOSS
21	548.4	86.1	14105	12	AY572837
22	299.2	47.0	12072	12	AF294981
23	299.2	47.0	12942	12	AF294982
24	299.2	47.0	14203	12	AF294979
25	299.2	47.0	14230	12	AF294980
26	296.8	46.6	11522	12	AF309825
27	296.8	46.6	14103	12	AF330636
28	282	44.3	1675	6	CQ860281 Sequence
29	225.8	35.4	619	8	PEARUBPA
30	195.6	30.7	10212	12	AB086434
31	195.6	30.7	10856	12	AB086433
32	194.6	30.5	2061	8	PSRBCS3A
33	187.4	29.4	119656	6	I19656 Sequence 4
34	140	22.0	550	6	CQ857616
35	140	22.0	581	6	CQ857612 Sequence
36	119.6	18.8	3180	8	MSRBCSK1A
37	105.4	16.5	674	8	PEARUBP2
38	105.4	16.5	1381	8	PSRBCS3C
39	92	14.4	669	8	PEARBPC
40	74.4	11.7	729	8	CAR131050
41	71.4	11.2	2124	6	AR014744
42	71.4	11.2	2124	6	AR022680 Sequence
43	71	11.1	320	6	AX528400 Sequence
44	65.8	10.3	165959	2	CR792429
45	65.6	10.3	390	8	TRRUBISCO
46	65.6	10.3	3974	8	TRRBPXC
47	65.2	10.2	806	8	AY220079
48	64.8	10.2	251797	2	EX890543
49	64.6	10.1	182738	2	CR407564
50	64.4	10.1	1261	8	BT012936
51	64.4	10.1	1341	8	LERBCS3C
52	64.4	10.1	70687	8	AP006376
53	64.4	10.1	202103	2	CR848044
54	64	10.0	195480	2	CR847999
55	64	10.0	250421	3	AE014849
56	63.6	10.0	2662	8	AY163904
57	63	9.9	110000	2	CR381548
58	62.6	9.8	680	8	CIPRBCS2
59	62.4	9.8	110572	8	AC147741
60	62.4	9.8	112032	2	AC145221
61	62.4	9.8	169546	2	AC004157
62	62.4	9.8	169800	2	CR847821
63	62	9.7	591	8	PVRBCS
64	62	9.7	182870	3	AC116960
65	61.8	9.7	291781	2	CR792436
66	61.6	9.7	849	8	PVRBCOS
67	61.6	9.7	2293	8	NPRBCS8B
68	61.6	9.7	2293	8	TOBRBCS8B
69	61.6	9.7	2362	8	NTRUBSS
70	61.6	9.7	160295	10	AC122884
71	61.6	9.7	170627	2	AC125567
72	61.6	9.7	192800	2	AC113288
73	61.6	9.7	202676	2	CR788311
74	61.4	9.6	1629	8	STRBCS2
75	61.4	9.6	5487	6	AX346500
76	61.4	9.6	84550	3	PFWAL1P2_3
77	61.2	9.6	1032	8	TOBRBCSA
78	61	9.6	1027	8	TOBRBCSC
79	61	9.6	1520	8	LERBCS3A
80	61	9.6	2671	8	CIP2RSS
81	60.8	9.5	17183	6	AX345388
82	60.6	9.5	228285	2	CR391925
83	60.4	9.5	515	8	AF411547
84	60.4	9.5	732	8	AF056315
85	60.4	9.5	835	8	AY231451
86	60.4	9.5	330050	3	PFA929355
87	60.2	9.5	796	8	NSRUB1
88	60	9.4	453	8	TOBRBPC
89	60	9.4	105682	2	AC116957_3
90	60	9.4	125632	3	CR753868
91	60	9.4	145598	2	AC008132
92	60	9.4	156395	2	CR387986

M21375	Pisum sativ
AY572837	Cloning v
AF294981	Binary ve
AF294982	Binary ve
AF294979	Binary ve
AF294980	Binary ve
AF309825	Plant DNA
AF330636	Plant DNA
CQ860281	Sequence
J01257	Pea (p.sati
AB086434	Synthetic
AB086433	Synthetic
X04333	Pea rbcS-3A
I19656	Sequence 4
CQ857616	Sequence
CQ857612	Sequence
X9847	M.sativa Rb
M25613	Pisum sativ
X04334	Pea rbcS-3C
J01256	Pisum sativ
AJ131050	Cicer ari
AR014744	Sequence
AR022680	Sequence
AX528400	Sequence
CR792429	Danio rer
X53954	T.repens mR
X52293	White clove
AY220079	Nicotiana
EX890543	Danio rer
CR407564	Danio rer
BT012936	Lycopersi
X05986	Tomato rbcS
AP006376	Lotus cor
CR848044	Danio rer
CR847999	Danio rer
AE014849	Plasmodiu
AY163904	Chrysanth
CR381548	Danio rer
M38116	Mesembryant
AC147741	Medicago
AC145221	Medicago
AC004157	Plasmodiu
CR847821	Danio rer
X59999	P.vulgaris
AC116960	Dictyoste
CR792436	Danio rer
X60000	P.vulgaris
X13711	Nicotiana p
M36685	N.plumbagin
X02353	Tobacco gen
AC122884	Mus muscu
AC125567	Rattus no
AC13288	Mus muscu
CR788311	Danio rer
X69760	S.tuberosum
AX346500	Sequence
Continuation (4 of	
M13542	Tomato (l.e
M13544	Tomato (l.e
X05984	Tomato rbcS
I10214	Mesembryant
AX345388	Sequence
CR391925	Danio rer
AF411547	Medicago
AF056315	Medicago
AY231451	Arabidops
AL929355	Plasmodiu
X01722	Nicotiana s
J01308	Nicotiana s
Continuation (4 of	
CR753868	Danio rer
AC008132	Homo sapi
CR387986	Danio rer